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**SUMMARY OF SYNOPTIC
METEOROLOGICAL
OBSERVATIONS
(SSMO),**

**CENTRAL AMERICAN COASTAL MARINE AREAS,
WEST COAST.**

VOLUME 2

AREA 6 - MANZANILLO SE
AREA 7 - ACAPULCO SOUTH
AREA 8 - GULF OF TEHUANTEPEC



AREA 9 - GUATEMALA SW COAST
AREA 10 - NICARAGUA SW COAST
AREA 11 - PUNTA BURICA

PREPARED BY
NAVAL OCEANOGRAPHY COMMAND DETACHMENT,
ASHEVILLE, N.C.

PREPARED FOR
COMMANDER, NAVAL OCEANOGRAPHY COMMAND
NSTL STATION, BAY ST. LOUIS, MS 39529

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FEBRUARY 1981

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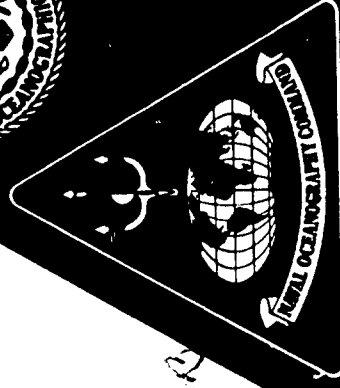
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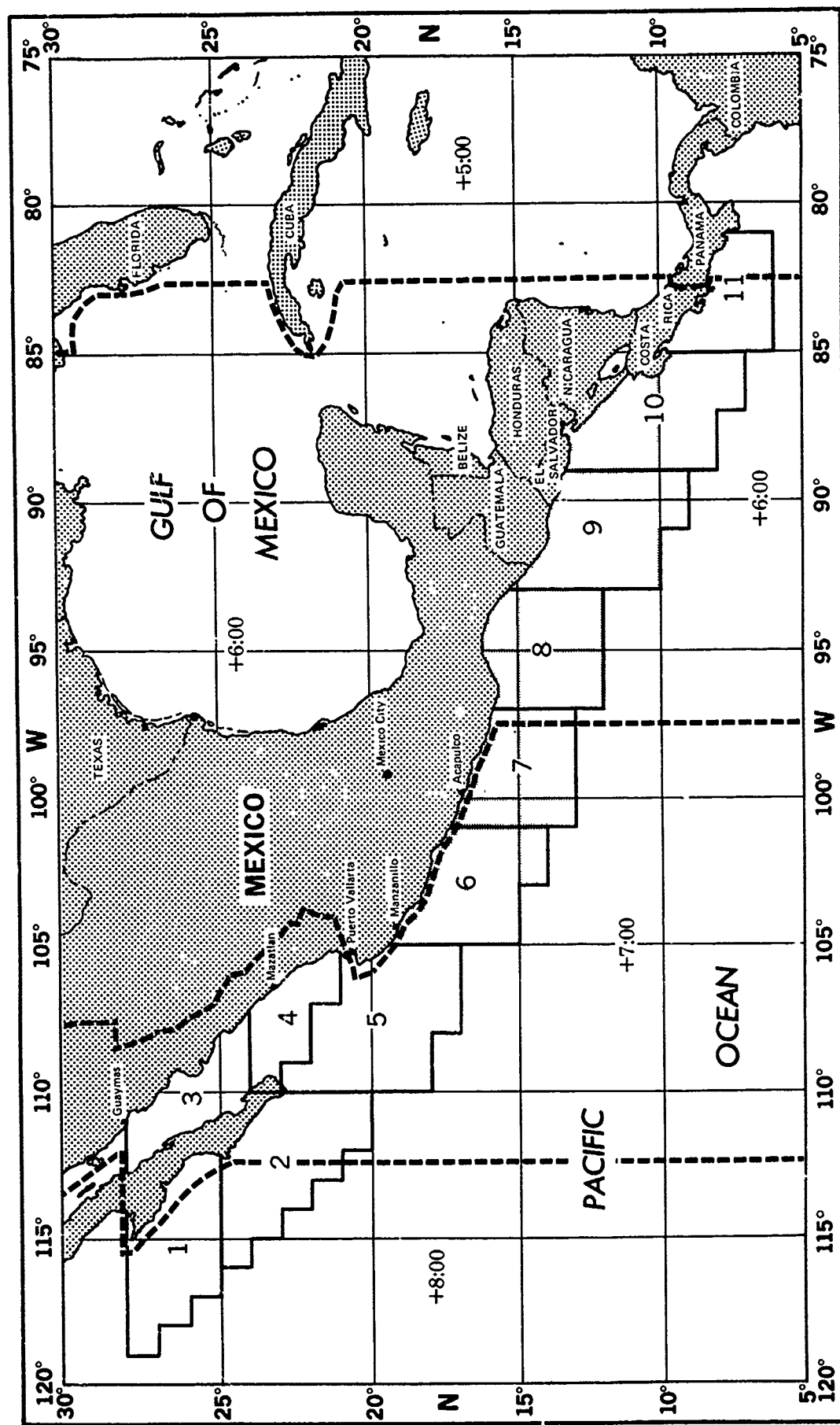
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CENTRAL AMERICA COASTAL SSMO AREAS AND STANDARD TIME ZONES - WEST COAST

Shaded areas are included in this volume

A list of the area names and their central locations appears on the inside back cover

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents marine climatological data for specific coastal areas in 21 different tables including weather occurrence, wind direction and speed, cloud amount, ceiling height, visibility, precipitation, dry bulb, relative humidity, air-sea temperature difference, sea height and period, sea surface temperature and sea level pressure.		

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

CENTRAL AMERICAN COASTAL MARINE AREAS
WEST COAST

VOLUME 2

AREA 6 - MANZANILLO SE	AREA 9 - GUATEMALA SW COAST
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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Oceanography Command Detachment, Asheville, N. C. for the Commander, Naval Oceanography Command. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Oceanography Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the centroid position (centroid) of the observations within the area.

is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present), and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine datafile. The extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature ($^{\circ}$ F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

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AREA	NAME	PAGES
6	MANZANILLO SE	1 - 79
7	ACAPULCO SOUTH	80 - 158
8	GULF OF TEHUANTEPEC	159 - 237
9	GUATEMALA SW COAST	238 - 316
10	NICARGUA SW COAST	317 - 395
11	PUNTA BURICA	396 - 474

Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

NOTE: Because of rounding, sub-total sums of "observational counts" may not equal grand totals.

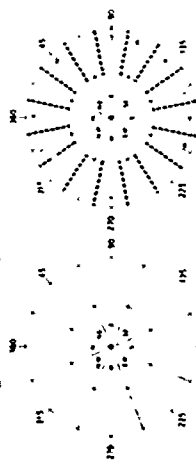


Fig 1. The 8 point direction system.

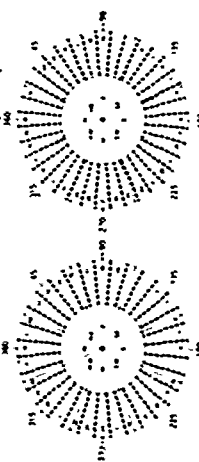


Fig 2. The 16 point direction system superimposed on the 8 point system.

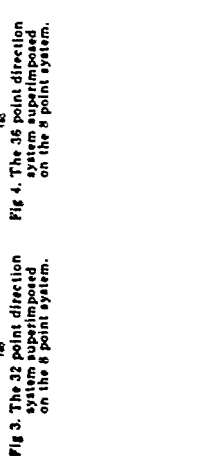


Fig 3. The 32 point direction system superimposed on the 8 point system.



Fig 4. The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV)		PRESENT WEATHER (1960 WMO CODE 4677)			
CODE	INTERPRETATION (NAUTICAL MILES)	CODE	INTERPRETATION	CODE	INTERPRETATION
90-93	VV<1/2	58-59 60-65 91-94 (68-69, 95, 97 IF TEMP >40° F)	RAIN	10-12 40-49	FOG (WITHOUT PRECIPITATION)
94	1/2≤VV<1	80-82, (83-84 IF TEMP >40° F)	RAIN SHOWERS	28	FOG (WITHOUT PRECIPITATION) PAST HOUR
95	1≤VV<2	50-55, 58-59	DRIZZLE	04-05	SMOKE HAZE
96	2≤VV<5	56-57 66-67	FREEZING PRECIPITATION	06-09 30-39	SPRAY BLOWING DUST BLOWING SNOW
97	5≤VV<10	70-75, 85-86 (68-69, 83-84, 95, 97 IF TEMP ≤40° F)	SNOW	00-03 14-16 18	NO SIGNIFICANT WEATHER AT OB TIME
98	10≤VV<25	76-79	OTHER FROZEN PRECIPITATION	00-19	NO PRECIPITATION AT OB TIME
99	VV≥25	87-90 93-94 96, 99	HAIL	50-99	PRECIPITATION AT OB TIME
		13, 17 19, 29 93-99	THUNDER LIGHTNING THUNDERSTORM	20-27	PRECIPITATION PAST HOUR

NOTE: <means less than;
>means greater than;
≤means less than or
equal to; ≥means
greater than or equal to

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25}	<1	12	>5.75 to 6.25}	20-22	30	>14.75 to 15.25	
01	>.25 to .75}	1-2	13	>6.25 to 6.75}		31	>15.25 to 15.75	
02	>.75 to 1.25}	3-4	14	>6.75 to 7.25}	23-25	32	>15.75 to 16.25	49-60
03	>1.25 to 1.75}	5-6	15	>7.25 to 7.75}		33	>16.25 to 16.75	
04	>1.75 to 2.25}	7	16	>7.75 to 8.25}		34	>16.75 to 17.25	
05	>2.25 to 2.75}	8-9	17	>8.25 to 8.75}	26-32	35	>17.25 to 17.75	
06	>2.75 to 3.25}	10-11	18	>8.75 to 9.25}		36	>17.75 to 18.25	
07	>3.25 to 3.75}	12	19	>9.25 to 9.75}				
08	>3.75 to 4.25}	13-16	20	>9.75 to 10.25}		37	>18.25 to 18.75	61-70
09	>4.25 to 4.75}		21	>10.25 to 10.75}	33-40	38	>18.75 to 19.25	
10	>4.75 to 5.25}	17-19	22	>10.75 to 11.25}		39	>19.25 to 19.75	
11	>5.25 to 5.75}		23	>11.25 to 11.75}		40	>19.75 to 20.25	
			24	>11.75 to 12.25}		41	>20.25 to 20.75	
			25	>12.25 to 12.75}		42	>20.75 to 21.25	
			26	>12.75 to 13.25}				
			27	>13.25 to 13.75}	41-48	43	>21.25 to 21.75	71-86
			28	>13.75 to 14.25}		44	>21.75 to 22.25	
			29	>14.25 to 14.75}		45	>22.25 to 22.75	
						46	>22.75 to 23.25	
						47	>23.25 to 23.75	
						48	>23.75 to 24.25	
						49	>24.25 to 24.75	
						50	>24.75 to 25.25	
						51	>25.25 to 25.75	
						52	>25.75 to 26.25	
						53-99	>26.25 to 49.75}	≥87

Indeterminate=INDET

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979AREA 0006 MANZANILLO SE
17.64 102.94

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&R	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE	SPRAY	NO SIG	NO SIG	NO SIG
N	1.2	.2	.3	.0	.0	.0	.0	1.0	.5	.2	.1	.0	.0	.0	.0	.0	96.4
NE	2.5	.4	.9	.0	.0	.0	.0	3.0	1.0	.7	.0	.0	.0	.0	.0	.0	94.2
E	1.1	.6	.6	.0	.0	.0	.0	2.1	1.5	.7	.1	.0	.7	.2	.0	.0	94.6
SE	1.0	.3	.0	.0	.0	.0	.0	1.3	.7	.0	.4	.0	.0	.0	.0	.0	97.0
S	1.1	.0	.4	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	98.1
SW	.6	.0	.0	.0	.0	.0	.0	.6	.6	.3	.0	.0	1.0	.0	.0	.0	97.4
W	.5	.0	.0	.0	.0	.0	.0	.5	.0	.2	.1	.0	.5	.5	.0	.0	98.0
NW	.3	.0	.2	.0	.0	.0	.0	.5	.2	.3	.2	.0	.0	.1	.0	.0	98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.0	.1	.1	.6	.1	.0	1.0	.0	.0	.0	97.3
TOT PCT	.7	.1	.2	.0	.0	.0	.0	1.0	.4	.2	.1	.0	.0	.0	.0	.0	97.4
TOT OBS:	7537																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&R	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE	SPRAY	NO SIG	NO SIG	NO SIG
0000	.6	.1	.3	.0	.0	.0	.0	.9	.3	.1	.0	.0	.7	.0	.0	.0	98.0
0600	.7	.1	.2	.0	.0	.0	.0	1.0	.4	.6	.2	.0	1.0	.0	.0	.0	96.9
1200	.9	.2	.1	.0	.0	.0	.0	1.2	.4	.7	.3	.0	.7	.0	.0	.0	96.6
1800	.6	.1	.2	.0	.0	.0	.0	.9	.4	.4	.0	.0	.7	.1	.0	.0	97.7
TOT PCT	.7	.1	.2	.0	.0	.0	.0	1.0	.4	.3	.1	.0	.7	.0	.0	.0	97.4
TOT OBS:	7826																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	2.1	4.3	1.8	.1	.0	.0		13.3	6.8	7.4	4.5	13.1	7.4	14.0	17.3	15.0	11.1	
NE	1.3	4.1	.7	.0	.0	.0		6.1	6.5	2.5	1.7	5.9	2.8	4.2	7.1	8.9	4.8	
E	1.6	4.0	.9	.1	.0	.0		6.6	6.0	3.6	3.0	4.1	3.1	5.3	10.1	11.4	13.2	
SE	.9	2.6	.5	.1	.0	.0		4.4	6.7	3.5	1.3	2.9	4.9	3.7	3.0	7.1	7.3	
S	.9	2.0	.1	.0	.0	.0		3.0	5.2	4.7	3.1	2.4	6.2	1.4	1.3	3.5	3.6	
SW	1.2	3.0	.2	.0	.0	.0		4.4	5.1	10.2	5.4	3.1	7.4	1.4	1.4	2.7	4.3	
W	3.2	14.4	3.3	.1	.0	.0		21.0	7.3	35.2	24.4	22.5	32.1	13.7	14.9	12.7	20.7	
NW	3.7	18.7	5.5	.2	.0	.0		26.1	7.9	25.4	31.4	24.5	24.5	24.7	33.7	24.1	24.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.1							13.1	.0	7.3	15.6	13.6	6.7	17.4	10.3	14.4	6.4	
TOT OBS	2372	4691	1053	52	4	0	9172		6.2	1864	140	1834	105	1783	232	2072	117	
TOT PCT	24.0	57.4	12.9	.5	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41-50				00	03	12	18
N	7.6	5.2	.2	.0	.0	13.3	6.8	7.6	12.4	17.9	14.2	
NE	3.8	2.2	.1	.0	.0	6.1	6.5	2.4	3.9	9.0	8.9	
E	4.0	2.3	.3	.0	.0	6.6	6.0	3.5	4.0	6.7	11.7	
SE	2.6	1.6	.1	.0	.0	4.4	6.7	3.3	3.0	3.4	7.1	
S	2.0	.8	.0	.0	.0	3.0	5.2	4.5	2.4	1.4	3.5	
SW	3.3	1.0	.0	.0	.0	4.4	5.1	4.4	3.4	1.5	2.8	
W	12.1	4.3	.4	.1	.0	21.0	7.3	34.7	23.0	13.0	13.1	
NW	13.2	13.6	1.1	.1	.0	28.1	7.9	26.0	34.1	24.3	23.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.1				.0	13.1	.0	7.3	13.3	16.7	14.4	
TOT OBS	4087	2951	204	15	0	4172		2074	1897	2215	2194	
TOT PCT	41.1	16.1	2.4	.2	.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY, 1953-1975
COVER-ALL) 1961-1979

JANUARY

APEX 0006 MANZANILLO SF
17.66 102.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CMH)

HOUR	CALM	WIND SPEED (KNOTS)					PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-32	33-47		
0600	6.0	13.5	60.4	16.9	.9	.1	7.1	100.0
0600	13.2	12.3	57.7	15.9	.8	.1	6.7	100.0
1215	16.7	16.6	56.4	9.9	.4	.0	5.6	100.0
1821	14.4	20.8	55.2	9.3	.5	.0	5.4	100.0
TOT	1072	1500	4991	1053	52	4	6.2	6172
PCT	13.3	15.9	57.6	12.4	.6	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)					TOTAL OBS	PCT COVER
	0-2	3-4	5-7	8-10	11-12		
N	7.5	2.7	2.5	.7	2.6	2.6	
NE	3.0	1.3	1.7	.4	3.1	3.1	
E	2.8	1.5	1.6	.4	3.3	3.3	
SE	2.1	1.1	1.0	.3	3.1	3.1	
S	1.4	.4	.6	.1	3.0	3.0	
SW	2.2	1.7	.8	.7	2.9	2.9	
W	12.4	4.7	3.7	.7	2.3	2.3	
NW	17.3	5.2	4.2	1.5	2.3	2.3	
VAR	.0	.0	.0	.0	.0	.0	
CALM	8.0	2.6	2.1	.4	2.3	2.3	
TOT OBS	3542	1284	1065	309	6201	2.6	
TOT PCT	57.1	20.7	17.4	5.0	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, KM 30/8)
AND OCCURRENCE OF AM C/P BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6000	8000-	W	CS/P	TOTAL
100	200	500	900	1500	3000	4500	6000	7000		AW	WGT	OBS
0	.00	.01	.03	.05	.03	.02	.01	.01	0	0	11.0	
0	.00	0	.01	.02	.02	.01	0	0	0	0	5.0	
0	0	0	.01	.06	.02	.01	.01	0	.00	0	4.0	
0	0	0	.01	.02	.02	.01	0	.00	0	0	3.0	
.00	0	0	0	.02	.01	0	0	0	0	0	2.0	
.00	.00	.00	.01	.01	.01	.01	0	.00	0	0	3.0	
.00	0	.01	.03	.05	.03	.02	.00	0	.01	0	10.0	
0	0	0	.03	1.00	.07	.06	.02	.01	.01	0	25.0	
.00	0	.00	.00	.00	.00	.00	.00	0	0	0	0	
0	0	.01	.01	.06	.03	.03	.00	0	.01	0	11.0	
7	5	22	95	235	106	43	20	14	20	550	6201	
10	.01	.06	1.05	3.00	2.03	1.02	.05	.03	.03	0	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (30/8) AND VISIB (8/8)

CEILING (FT)	VISIB (8/8)							
	> 10	> 5	> 2	> 1	> 1/2	> 1/4	> 1/8	> 1/16
> 3500	.6	.6	.6	.6	.6	.6	.6	.6
> 3000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
> 2500	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
> 2000	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7
> 1500	8.2	8.5	8.6	8.6	8.6	8.6	8.6	8.6
> 1000	9.5	10.0	10.1	10.1	10.1	10.1	10.1	10.1
> 500	9.7	10.3	10.4	10.5	10.5	10.5	10.5	10.5
> 100	9.8	10.4	10.5	10.5	10.5	10.5	10.5	10.5
> 0	9.8	10.4	10.5	10.5	10.5	10.5	10.5	10.5
TOTAL	632	671	679	684	684	684	684	685

TOTAL NUMBER OF OBS: 6431

PCT FREQ < 1/8: 96.3

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
31.7	24.0	15.7	11.2	6.4	3.6	2.4	2.2	2.1	.1	6750

PERCENT FREE OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

[illegible]

TABLE 9
PERCENT AGE OF BIND DETECTION VS BIND SPEED
WITH VARYING VALUES OF VISIBILITY

[illegible]

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0006 MANZANILLO SE
17.5N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3000	5000	6500	8000*	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.1	.1	.3	1.4	3.9	2.6	1.5	.5	.2	.3	11.0	89.0	1661
0600	.1	.0	.3	1.8	3.1	1.7	1.2	.6	.3	.6	9.6	90.4	1629
1201	.1	.2	.6	1.4	4.4	2.2	1.3	.3	.5	.3	11.2	88.8	1584
1802	.1	.0	.2	1.3	3.5	2.4	1.2	.3	.2	.1	9.4	90.6	1614
TOT	7	5	22	96	249	149	96	28	20	21	647	6001	6688
PCT	.1	.1	.3	1.5	3.7	2.2	1.3	.4	.3	.3	10.3	89.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.1	.0	.2	.3	2.8	96.7	1969
0600	.1	.0	.2	.5	3.8	95.5	1975
1201	.2	.0	.3	.3	4.3	94.8	2024
1802	.1	.0	.0	.1	3.5	96.3	2224
TOT	10	1	15	22	295	7849	8192
PCT	.1	.0	.2	.3	3.6	95.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000	.1	.5	2.0	9.4	88.6	1601
0600	.1	.4	2.5	7.4	90.0	1573
1201	.1	.9	2.6	9.1	88.3	1526
1802	.1	.3	1.7	8.2	90.1	1731
TOT	7	34	141	548	5742	6431
PCT	.1	.5	2.2	8.4	89.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
90/94	.0	.0	.0	.1	.3	.0	.1	.0	35	.6
85/89	.0	.0	.0	.4	1.8	1.5	.3	.1	261	4.1
80/84	.0	.0	.1	1.4	9.9	21.3	6.2	1.6	2674	42.5
75/79	.0	.0	.0	.8	4.4	20.4	17.5	4.5	2987	47.5
70/74	.0	.0	.0	.0	.5	1.2	2.1	1.3	326	5.2
65/69	.0	.0	.0	.0	.0	.0	.0	.0	8	.1
TOTAL	0	1	11	170	1058	2401	1774	475	6292	100.0
PCT	.0	.0	.2	2.7	16.8	44.5	28.2	7.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.0	.0	.0	.0	.0	.2	.1	.0	.1
85/89	.5	.3	.4	.2	.1	.1	.9	1.0	.0	.5
80/84	4.6	2.5	3.0	2.3	1.6	2.5	9.7	11.2	.0	5.1
75/79	7.0	3.0	2.9	1.7	1.0	1.5	9.3	14.5	.0	6.6
70/74	1.2	.5	.4	.1	.0	.1	.7	1.6	.0	.5
65/69	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	13.5	6.3	6.7	4.4	2.8	4.2	20.8	26.5	.0	12.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	89	85	80	76	73	68	80.5	2035
0600	90	84	82	78	74	70	68	79.3	2000
1201	90	83	81	78	73	70	64	77.4	2091
1802	93	89	86	81	75	72	64	80.8	2256
TOT	95	88	84	79	74	71	64	79.3	8182

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	3.4	23.6	48.2	20.4	4.4	75	1604
0600	.0	1.5	9.4	42.8	36.6	9.7	79	1636
1201	.0	1.3	6.9	41.8	37.7	12.3	80	1588
1802	.0	5.3	26.4	44.9	19.1	4.0	74	1719
TOT	0	169	1104	2909	1852	493	77	6547

PERIOD: (PRIMARY) 1963-1979
(OVER-ALL) 1861-1979

JANUARY

APEA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	61 64	65 66	69 72	73 76	77 80	81 84	85 88	89 92	92	101	% FOG	NO FOG
14/16	.0	.0	.0	.0	.0	*	*	*	*	5	.0	.1
11/13	.0	.0	.0	.0	*	.1	*	*	*	18	.0	.2
9/10	.0	.0	.0	.0	*	*	*	.1	.0	22	.0	.3
7/8	.0	.0	.0	.0	.2	.3	.3	.2	.0	65	.0	.9
6	.0	.0	.0	*	.1	.3	.3	.1	.0	61	.0	.9
5	.0	.0	*	*	.3	.6	.4	.1	.0	97	.0	1.4
4	.0	.0	*	.1	.5	1.2	.5	*	.0	163	.0	2.1
3	.0	.0	*	.1	.9	.6	.5	*	.0	153	.0	2.4
2	.0	.0	*	.3	1.3	2.7	.5	*	.0	342	*	4.8
1	.0	.0	.0	.3	1.7	3.3	.6	.0	.0	426	.7	6.0
0	.0	.0	.1	.7	4.6	6.3	.2	.0	.0	845	*	11.8
-1	.0	.0	*	1.1	5.0	4.8	.1	.0	.0	750	*	11.1
-2	.0	.0	.1	1.4	9.4	4.2	.1	.0	.0	1039	*	15.2
-3	.0	.0	.1	1.7	8.3	2.5	*	.2	.0	862	*	12.1
-4	*	.0	.1	2.0	8.0	1.2	*	*	.0	461	.0	12.1
-5	.0	.1	.1	2.0	5.4	.5	*	.0	.0	577	.0	8.1
-6	.0	.0	.1	1.9	2.3	.1	.0	.0	.0	335	*	4.4
-7/-8	.0	*	*	2.0	2.0	.1	.0	.0	.0	309	*	4.3
-9/-10	.0	.0	.1	.2	*	*	.0	.0	.0	79	.0	1.1
-11/-13	*	*	.2	.1	*	.0	.0	.0	.0	38	.0	.5
-14/-16	.0	.1	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	2	4	104	1053	2063	42	269	4		7115	9	7106
PCT	.2	1.5	14.8	50.1	29.6	3.8	.6	.1		100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	2.0	.0	.0	.0	.0	3.3	.8	1.4	.1	.0	.0	.0	2.3
1-2	1.1	5.1	.8	.0	.0	.0	6.9	.5	2.5	.3	.0	.0	.0	3.2
3-4	.1	1.1	1.0	.0	.0	.0	2.1	.0	.7	.3	.0	.0	.0	1.0
5-6	.1	.3	.3	.1	.0	.0	.7	.0	.1	.1	.1	.0	.0	.3
7	.0	.1	.0	.1	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	8.6	2.0	.1	.0	.0	13.3	1.3	4.6	.8	.1	.0	.0	6.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.4	.0	.0	.0	.0	2.4	.6	1.4	.0	.0	.0	.0	1.9
1-2	.7	2.4	.2	.0	.0	.0	3.2	.3	1.2	.2	.0	.0	.0	1.7
3-4	.0	.9	.2	.0	.0	.0	1.1	.0	.4	.3	.0	.0	.0	.7
5-6	.1	.1	.1	.2	.0	.0	.4	.0	.1	*	*	.0	.0	.1
7	.0	.0	.2	.1	.0	.0	.3	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	4.7	.7	.2	.1	.0	7.4	.9	3.0	.5	.2	.0	.0	4.6

PERIOD: (OVER-ALL) 1963-1979

JANUARY

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.4	.0	.0	.0	.0	1.0	.9	.8	.0	.0	.0	.0	1.7
1-2	.1	1.4	.0	.0	.0	.0	1.4	.4	1.5	.2	.0	.0	.0	2.0
3-4	.0	.3	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.1	.1	.0	.0	.0	2.8	1.2	2.7	.3	.0	.0	.0	4.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.2	3.2	.1	.0	.0	.0	4.5	1.7	4.2	.0	.0	.0	.0	5.9	
1-2	1.1	7.1	1.4	.0	.0	.0	9.6	1.4	11.4	1.7	.0	.0	.0	14.5	
3-4	.2	2.7	.9	.0	.0	.0	3.8	.2	4.0	3.1	.1	.0	.0	7.4	
5-6	.0	.3	.3	.0	.0	.0	.5	.0	.3	.7	.0	.0	.0	1.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	13.5	2.7	.0	.0	.0	18.8	3.3	20.0	5.6	.2	.0	.0	29.1	86.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	22.3	14.4	.2	.0	.0	.0	37.1	
1-2	6.5	31.5	4.4	.0	.0	.0	42.4	
3-4	.5	9.9	5.6	.1	.0	.0	16.2	
5-6	.1	.0	1.6	.3	.0	.0	3.1	
7	.0	.3	.3	.2	.0	.0	.9	
8-9	.0	.0	.0	.1	.1	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.1	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	29.4	57.6	12.2	.8	.1	.0	100.0	1529

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.	25.5	15.4	3.9	.8	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3067	2
6-7	.1	2.7	6.5	3.5	1.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	787	4
8-9	.1	1.1	1.8	1.3	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	286	4
10-11	.0	1.4	.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	151	3
12-13	.0	.0	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	4
>13	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	6
INDET	13.3	2.4	1.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1001	1
TOTAL	1315	1791	1468	583	187	58	16	5	10	6	1	0	0	0	0	0	0	0	0	5400	2
PCT	24.4	33.2	27.2	10.4	3.1	1.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	.2	.2	.0	.0	.0	.0	.6	.3	.1	.0	.0	.5	.0	98.5
NE	1.2	.5	.3	.0	.0	.0	2.0	.7	.9	.0	.0	1.6	.0	96.3
E	.3	.5	.0	.0	.0	.0	.9	.3	.0	.0	.0	1.9	.0	97.0
SE	.7	.0	.5	.0	.0	.0	1.2	1.0	.7	.3	.0	1.6	.0	95.6
S	.0	.2	.2	.0	.0	.0	.5	1.0	.0	.0	.0	1.4	.0	97.1
SW	.3	.4	.1	.0	.0	.0	.8	.4	.0	.1	.0	1.5	.0	96.8
W	.0	.1	.1	.0	.0	.0	.1	.1	.1	.1	.0	.5	.0	99.1
NW	.2	.0	.1	.0	.0	.0	.3	.3	.1	.1	.0	.6	.0	98.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.1	.0	.0	.0	.0	.2	.0	.1	.0	.0	1.5	.0	98.2
TOT PCT	.2	.1	.1	.0	.0	.0	.5	.3	.1	.1	.0	.9	.0	98.1
TOT OBS:	7428													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
0000Z	.1	.2	.1	.0	.0	.0	.4	.2	.0	.0	.0	.9	.0	98.5
0600Z	.2	.1	.2	.0	.0	.0	.3	.2	.2	.0	.0	.4	.1	98.8
1200Z	.3	.2	.2	.0	.0	.0	.7	.3	.4	.3	.0	1.1	.7	97.3
1800Z	.2	.1	.1	.0	.0	.0	.4	.4	.0	.2	.0	1.1	.0	97.9
TOT PCT	.2	.1	.1	.0	.0	.0	.5	.3	.1	.1	.0	.9	.0	98.1
TOT OBS:	7716													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	2.3	7.7	1.4	.1	.0	.0		11.5	6.9	6.2	5.9	11.3	6.9	14.9	16.5	13.6	13.9	
NE	1.0	3.2	.3	.0	.0	.0		4.5	5.9	2.2	1.1	2.8	2.4	6.9	6.8	6.2	5.8	
E	.3	2.6	.3	.0	.0	.0		4.3	5.8	1.6	1.8	3.0	1.1	5.2	5.2	7.3	5.3	
SE	.8	2.9	.4	.0	.0	.0		4.0	6.4	3.1	3.2	2.5	1.6	3.4	3.9	6.9	6.0	
S	.8	1.9	.2	.0	.0	.0		2.8	5.6	4.7	1.1	1.7	4.3	1.4	2.3	3.3	2.9	
SW	1.3	3.0	.3	.0	.0	.0		4.6	5.7	9.5	6.6	3.0	6.1	1.7	2.0	4.0	5.5	
W	3.4	16.5	5.3	.1	.0	.0		25.8	8.0	40.4	36.9	26.4	34.8	17.4	17.0	14.7	20.4	
NW	3.4	19.6	7.2	.2	.0	.0		30.5	8.5	26.2	34.4	36.9	36.4	32.9	36.3	25.8	29.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	11.9							11.9	.0	6.0	9.2	12.3	6.4	15.9	10.0	14.2	10.6	
TOT OBS	2074	4584	1229	30	1	0		7918	6.6	1862	181	1742	94	1744	220	2002	113	
TOT PCT	26.2	57.0	15.5	.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	03	09	12	15	18	21
N	6.5	4.7	.3	.0	.0	11.5	6.9	6.1	11.0	15.1	13.6	
NE	3.0	1.6	.	.0	.0	4.5	5.9	2.2	2.8	6.9	6.2	
E	2.9	1.4	.	.0	.0	4.3	5.8	1.6	2.9	5.2	7.2	
SE	2.4	1.6	.	.0	.0	4.0	6.4	3.1	2.5	3.5	6.8	
S	2.0	.8	.	.0	.0	2.8	5.6	4.5	1.8	1.5	3.3	
SW	3.1	1.4	.	.0	.0	4.6	5.7	9.3	3.2	1.5	4.1	
W	11.3	13.4	1.1	.0	.0	25.8	8.0	40.1	26.9	17.7	18.4	
NW	12.3	16.7	1.5	.	.0	30.5	8.5	26.8	36.9	33.3	26.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	11.9					11.9	.0	6.2	12.0	15.3	14.0	
TOT OBS	4384	3293	238	3	0	7918	6.6	2003	1836	1964	2115	
TOT PCT	55.4	41.6	3.0	.0	.0	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1963-1979

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17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4A+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	6.2	11.9	60.1	21.3	.5	.0	.0	7.7	100.0	2003
06009	12.0	11.2	56.4	19.7	.7	.1	.0	7.3	100.0	1836
12015	15.3	13.2	60.6	10.8	.1	.0	.0	5.9	100.0	1964
18021	14.0	20.2	54.7	10.8	.3	.0	.0	5.6	100.0	2115
TOT	942	1132	4584	1224	30	1	0	6.6		7914
PCT	11.7	14.3	57.9	15.5	.4	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 4	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	8.0	1.7	1.6	.4	2.0	
NE	2.5	.8	.8	.1	2.4	
E	1.0	.7	.2		2.5	
SE	1.0	.7	.1		2.4	
S	.6	.7	.1		2.5	
SW	.4	.6	.1		2.1	
W	1	4.4	3.4	.5	2.0	
NW	2	5.3	3.8	1.0	2.0	
VAR	.4	.0	.0	.4	1.9	
CALM	6.2	2.2	1.7	.4	2.1	
TOT OBS	3967	1581	799	186	6053	
TOT PCT	65.0	17.0	13.2	3.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >400)
AND OCCURRENCE OF NH <500 BY WIND DIRECTION

CEILING	100	150	300	600	1000	2000	3500	5000	6500	8000+	NH <500 ANY HGT	TOTAL OBS
100	.0	.0	.0	.2	.4	.3	.1	.0	.0	.0	10.5	
150	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	3.8	
300	.0	.0	.0	.1	.2	.0	.1	.0	.0	.0	3.9	
600	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	2.3	
1000	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	4.0	
2000	.1	.0	.0	.3	.5	.4	.3	.1	.1	.0	24.3	
3500	.0	.0	.0	.1	1.1	.5	.3	.1	.0	.0	27.4	
5000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	
6500	.7	1	6	84	195	108	61	18	12	18	5543	6053
8000+	.1	.0	.1	1.4	3.2	1.6	1.0	.3	.2	.3	91.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF CEILING HEIGHTS AND VSBY (AM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
≥ OR >5000	.8	.9	.9	.9	.9	.9	.9	.9
≥ OR >3500	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ OR >2000	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
≥ OR >1000	6.3	6.8	6.8	6.8	6.8	6.8	6.8	6.8
≥ OR >600	7.5	8.1	8.1	8.2	8.2	8.2	8.2	8.2
≥ OR >300	7.6	8.2	8.2	8.3	8.3	8.3	8.3	8.3
≥ OR >150	7.6	8.2	8.2	8.3	8.3	8.3	8.3	8.3
≥ OR >0	7.7	8.3	8.3	8.4	8.4	8.4	8.4	8.4
TOTAL	402	520	522	525	526	526	526	526

TOTAL NUMBER OF OBS: 6261

PCT FREQ NH <500: 91.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

CLOUD	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
39.4	22.6	14.6	9.8	4.6	2.7	2.8	1.6	1.5	.1	6596	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

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17.64 102.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.4	.2	.2	.1	.1	.2	.2	1.1	.0	.2	3.2	
	TOT %	.4	.2	.2	.1	.1	.2	.2	1.1	.0	.2	3.2	
10+	PCP	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	
	NO PCP	11.2	4.3	4.2	3.8	2.6	4.3	25.1	29.3	.0	11.4	96.1	
	TOT %	11.3	4.4	4.2	3.8	2.6	4.3	25.1	29.3	.0	11.4	96.1	
TOT OBS													7405
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.1	.0	.1	.0	.0	.0	.1	.1	.0	.2	.7	
	4-10	.3	.1	.1	.1	.1	.2	.4	.6	.0	.0	1.9	
	11-21	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	2.1	1.6	1.3	.8	.7	1.2	3.4	3.2	.0	11.5	25.2	
	4-10	7.4	3.1	2.6	2.7	1.8	2.8	16.4	19.0	.0	.0	55.8	
	11-21	1.4	.2	.3	.3	.2	.3	5.2	7.1	.0	.0	15.1	
	22+	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.4	
TOT OBS													7747
TOT PCT													100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

FEBRUARY

AREA 0004 MANZANILLO SC
17.6N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	500 1999	600 3999	700 4999	800 6999	900 7999	1000+ 8000+	TOTAL ANY MGT	%H <5/8 ANY MGT	TOTAL OBS
0000Z	.0	.0	.1	1.0	2.5	1.7	.4	.4	.2	.2	6.9	93.1	1456
0600Z	.1	.0	.1	1.5	3.5	1.5	1.0	.2	.3	.5	8.8	91.2	1552
12015	.3	.0	.1	1.6	3.8	1.7	.8	.3	.2	.4	9.1	90.9	1568
18021	.1	.1	.1	1.2	2.5	2.0	1.2	.2	.2	.3	7.9	92.1	1765
TOT	7	1	6	86	200	113	64	19	13	23	532	6009	6541
PCT	.1	.0	.1	1.3	3.1	1.7	1.0	.3	.2	.4	6.1	91.9	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+ TOTAL OBS
00033	.0	.0	.2	.4	3.1	96.3 1998
06009	.1	.0	.1	.4	3.7	95.7 1880
12015	.1	.3	.2	.3	4.5	94.6 1998
18021	.0	.2	.1	.0	2.3	97.3 2168
TOT	5	10	10	22	271	7726 8044
PCT	.1	.1	.1	.3	3.9	96.0 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING MGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <4	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.1	1.1	6.0	92.9	1596
06009	.1	.3	2.0	7.1	91.0	1486
12015	.3	.5	2.4	7.3	90.3	1495
18021	.1	.2	1.7	6.7	91.6	1684
TOT	7	16	110	423	5728	6261
PCT	.1	.3	1.8	6.8	91.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
90/94	.0	.0	.0	.2	.2	.0	.0	.0	25	.4
85/89	.0	.0	.1	.5	1.4	1.1	.2	.1	217	3.5
80/84	.0	.0	.2	1.0	9.9	16.8	5.8	1.3	171	35.1
75/79	.0	.0	.1	.9	5.5	24.8	15.2	3.9	1105	50.2
70/74	.0	.0	.0	.1	.7	3.1	4.6	1.9	643	10.4
65/69	.0	.2	.0	.0	.0	.1	.2	.1	28	.5
TOTAL	0	0	21	167	1066	2440	1613	454	6191	100.0
PCT	.0	.0	.0	2.7	17.7	46.9	26.1	7.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1
85/89	.3	.2	.2	.2	.2	.2	1.0	.9	.0	.3
80/84	3.9	1.8	2.0	1.8	1.2	1.9	9.8	8.9	.0	4.0
75/79	6.0	2.0	1.8	1.7	1.1	2.0	17.6	16.2	.0	6.8
70/74	1.6	.6	.3	.2	.1	.2	2.1	.4	.0	1.0
65/69	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0
TOTAL	11.9	4.5	4.3	3.9	2.6	4.3	25.6	30.7	.0	12.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	89	85	80	75	72	66	80.1	2036
06009	92	87	81	78	72	70	67	77.4	1898
12015	86	82	81	77	72	69	65	76.5	2035
18021	94	89	86	80	75	72	64	80.3	2103
TOT	95	87	84	79	73	70	64	74.6	4165

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-64	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.6	23.3	49.6	18.7	4.8	74	1597
06009	.0	1.2	9.8	43.8	36.2	9.0	76	1563
12015	.0	1.3	7.0	42.4	36.8	12.8	80	1551
18021	.0	5.6	28.7	47.0	15.0	3.5	73	1710
TOT	0	1.9	11.2	29.8	16.7	4.7	76	6421

FEBRUARY

 PERIOD: (PRIMARY) 1953-1979
 (OVER-ALL) 1963-1979

TABLE 17

 APER 0006 ANZANILLO SE
 17.0% 102.9%

 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
 VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	L FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
18/16	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.1	.1	24	.0	.3
9/10	.0	.0	.0	.0	.1	.1	.1	.1	17	.0	.5
7/8	.0	.0	.0	.0	.2	.4	.4	.1	81	.0	1.2
6	.0	.0	.0	.0	.1	.3	.4	.0	63	.0	.9
5	.0	.0	.0	.2	.5	.8	.4	.1	135	.0	1.9
4	.0	.0	.0	.1	.6	1.3	.6	.0	180	.0	2.6
3	.0	.0	.0	.1	.6	1.1	.6	.0	169	.0	2.4
2	.0	.0	.1	.2	1.5	3.2	.4	.0	380	.0	5.4
1	.0	.0	.0	.4	2.4	2.9	.2	.0	427	.0	5.9
0	.0	.0	.1	1.1	5.6	4.9	.2	.0	830	.0	11.8
-1	.0	.0	.2	1.2	5.6	3.8	.1	.0	764	.0	10.9
-2	.0	.0	.3	2.4	6.9	2.5	.0	.0	1059	.0	15.1
-3	.0	.0	.3	2.9	6.7	1.3	.0	.0	760	.0	11.3
-4	.0	.0	.4	3.6	6.4	.6	.0	.0	777	.0	11.1
-5	.0	.0	.5	3.0	3.7	.3	.0	.0	532	.0	7.6
-6	.0	.0	.3	2.5	1.8	.1	.0	.0	324	.0	4.4
-7/-8	.0	.0	.7	2.5	1.2	.0	.0	.0	314	.0	4.1
-9/-10	.0	.0	.3	.6	.3	.0	.0	.0	50	.0	1.1
-11/-13	.0	.1	.1	.1	.1	.0	.0	.0	25	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
TOTAL	1	13	229	1476	1659	243	13	13	6997	.1	69.8
PCT	.0	.2	3.3	21.1	47.5	23.7	3.5	.2	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.7	.0	.0	.0	.0	2.7	.5	1.1	.0	.0	.0	.0	1.7
1-2	1.0	4.5	.7	.0	.0	.0	6.2	.3	2.4	.3	.0	.0	.0	3.1
3-4	.1	2.2	.4	.2	.0	.0	2.9	.0	.3	.3	.0	.0	.0	.6
5-6	.0	.2	.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	8.7	1.5	.2	.0	.0	12.5	.9	3.8	.7	.0	.0	.0	5.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.9	.0	.0	.0	.0	1.4	.2	1.0	.0	.0	.0	.0	1.2
1-2	.6	.8	.0	.0	.0	.0	1.4	.2	.7	.1	.0	.0	.0	1.0
3-4	.1	.4	.2	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	.6
5-6	.0	.2	.1	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	2.3	.3	.0	.0	.0	3.7	.6	2.3	.1	.0	.0	.0	3.0

PERIOD: (OVER-ALL) 1963-1970

FEBRUARY

AREA CODE PANZANILLO SE
17.64 102.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	.2	.0	.0	.0	2.1	1.2	2.7	.6	.0	.0	.0	6.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.2	4.5	.0	.0	.0	.0	5.6	1.5	4.0	.0	.0	.0	.0	5.8	
1-2	1.1	10.9	2.0	.0	.0	.0	14.0	1.2	12.6	2.1	.0	.0	.0	15.9	
3-4	.0	2.6	1.5	.0	.0	.0	4.2	.1	1.9	2.7	.1	.0	.0	6.7	
5-6	.1	.3	.9	.0	.0	.0	1.2	.0	1.1	1.7	.1	.0	.0	2.2	
7	.0	.0	.0	.0	.0	.0	.1	.0	.3	.5	.0	.0	.0	.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	18.3	4.4	.0	.0	.0	25.1	3.2	22.0	6.5	.3	.0	.0	31.9	68.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.8	19.6	.1	.0	.0	.0	33.4	
1-2	5.6	33.2	5.4	.0	.0	.0	44.4	
3-4	.7	9.9	5.3	.3	.0	.0	16.2	
5-6	.2	1.9	2.2	.1	.0	.0	4.4	
7	.0	.4	.6	.0	.0	.0	1.2	
8-9	.0	.1	.1	.0	.0	.0	.3	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-49	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	25.5	60.2	13.6	.4	.0	.0	100.0	1562

PERIOD: (OVER-ALL) 1964-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	8.9	26.5	17.0	4.8	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3115	2
1-2	.3	2.9	5.4	3.4	1.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	725	4
3-4	.1	1.0	2.2	1.4	.7	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	312	4
5-6	.0	1.0	1.1	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	181	4
7-9	.0	.0	.8	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	5
10-11	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	901	1
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5344	3
TOTAL	10.9	33.7	28.6	11.4	3.4	1.2	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT	20.5	35.7	28.6	11.4	3.4	1.2	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

MARCH

APES CODE WINZANILLO SE
17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY PLUG DUST BLNG SNOW	NO SIG WEA		
N	.1	.1	.1	.0	.0	.0	.0	.3	.2	.0	.1	.0	1.9	.0	97.6		
NE	1.0	.5	.6	.0	.0	.0	.0	2.1	1.0	.4	.0	.0	1.7	.0	94.7		
E	1.9	.7	.7	.0	.0	.0	.0	3.3	1.3	.4	.0	.0	2.7	.0	92.3		
SE	.2	.0	.4	.0	.0	.0	.0	.6	.8	.4	.0	.0	3.0	.0	95.3		
S	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.5	.0	97.2		
SW	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	2.0	.0	97.1		
W	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.2	.0	2.1	.0	97.5		
NW	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	98.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	95.0		
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.2	.1	.2	.0	1.9	.0	97.3		
TOT OBS:	8345																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY PLUG DUST BLNG SNOW	NO SIG WEA		
0000Z	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	2.0	.0	97.6		
0600Z	.2	.0	.1	.0	.0	.0	.0	.3	.0	.3	.2	.0	.0	.0	98.3		
1200Z	.1	.0	.2	.0	.0	.0	.0	.4	.1	.1	.2	.0	1.9	.0	97.1		
1800Z	.2	.0	.1	.0	.0	.0	.0	.3	.4	.0	.2	.0	2.7	.0	96.4		
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.3	.2	.1	.2	.0	1.9	.0	97.3		
TOT OBS:	8573																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-5	6-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	5.7	1.0	.0	.0	.0		8.3	6.8	5.2	4.9	9.4	4.5	11.2	8.1	4.9	11.1	
NE	.7	1.9	.2	.0	.0	.0		2.9	5.9	1.1	1.3	1.4	.0	4.9	2.8	4.1	5.4	
E	.9	2.1	.4	.0	.0	.0		3.4	6.3	1.0	2.6	2.2	.0	5.1	4.3	5.3	3.6	
SE	.8	2.1	.2	.0	.0	.0		3.2	6.4	2.1	2.8	1.7	1.5	2.0	4.0	6.2	1.4	
S	.9	1.8	.2	.0	.0	.0		2.8	5.6	3.8	2.8	1.5	3.1	1.2	2.1	4.5	9.1	
SW	1.1	3.2	.3	.0	.0	.0		4.7	6.0	6.5	5.9	2.4	9.5	2.1	1.4	5.5	6.1	
W	3.9	21.3	4.0	.2	.0	.0		33.3	8.4	47.1	47.7	35.0	47.0	24.2	26.8	26.7	32.1	
NW	3.2	18.5	9.3	.2	.0	.0		31.3	9.0	27.4	25.6	37.4	31.2	33.7	39.3	26.4	34.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.1							10.1	.0	4.0	6.3	4.9	4.2	15.4	11.0	11.9	7.8	
TOT OBS	2066	5069	1767	43	3	0	8947	100.0	7.2	2059	133	2007	134	1864	236	2344	144	
TOT PCT	23.1	56.8	19.7	.5	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 7A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	.0	3.6	.1	.0	.0		8.3	6.8	5.2	4.9	9.4	4.5	11.2
NE	1.9	.2	.0	.0	.0		2.9	5.9	1.1	1.3	1.4	.0	4.9
E	2.2	1.2	.1	.0	.0		3.4	6.3	1.0	2.6	2.2	.0	5.1
SE	1.9	1.3	.1	.0	.0		3.2	6.4	2.1	2.8	1.7	1.5	2.0
S	1.9	.8	.0	.0	.0		2.8	5.6	3.8	2.8	1.5	3.1	1.2
SW	3.1	1.6	.0	.0	.0		4.7	6.0	6.5	5.9	2.4	9.5	2.1
W	13.6	18.2	1.5	.0	.0		33.3	8.4	47.1	47.7	35.0	47.0	24.2
NW	11.1	18.1	2.1	.1	.0		31.3	9.0	27.4	25.6	37.4	31.2	33.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	10.1						10.1	.0	4.0	6.3	4.9	4.2	15.4
TOT OBS	4502	4089	347	9	0	8947	100.0	7.2	2177	2137	2488	2488	2488
TOT PCT	50.3	45.7	3.9	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1753-1976
(COVER-ALL) 1975-1976

MARCH

AREA CODE MANZANILLO SE
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0700	4.2	9.3	50.2	27.5	.9	.1	.0	8.5	100.0	2192
0800	4.6	9.9	51.7	26.3	.4	.0	.0	8.1	100.0	2137
1200	15.1	13.0	57.5	14.2	.2	.0	.0	6.4	100.0	2130
1800	11.3	14.9	56.2	12.1	.5	.0	.0	6.1	100.0	2468
TOT	902	1164	5068	1762	.43	.3	.0	7.2		8947
PCT	10.1	13.0	56.6	19.7	.5	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	5.5	1.6	1.4	.2		2.2
NE	1.7	.5	.6	.2		2.7
E	2.0	.8	.4	.3		2.6
SE	1.9	.4	.4	.2		2.6
S	1.7	.7	.4	.1		2.1
SW	2.7	.8	.7	.1		2.3
W	20.4	6.7	5.1	.8		2.2
NW	14.9	6.7	4.5	1.0		2.1
VAR	.0	.0	.0	.0		.0
CALM	6.6	1.7	1.2	.2		2.0
TOT OBS	4257	1321	1012	216	6806	2.7
TOT PCT	62.5	19.4	14.9	3.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	700	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
N	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.7	7.9
NE	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.3	2.5
E	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.3	3.0
SE	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.3	2.6
S	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2	2.6
SW	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	4.0
W	.1	.0	.0	.4	1.0	.4	.4	.1	.1	.1	30.3	
NW	.1	.0	.0	.5	1.0	.6	.3	.0	.1	.1	28.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.1	.4	.2	.0	.0	.1	.1	4.3	
TOT OBS	22	1	14	103	219	121	79	16	27	28	6177	6406
TOT PCT	.3	.0	.2	1.5	3.2	1.8	1.1	.2	.4	.4	60.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VISIB (NM)

CEILING (FEET)	≥ CR	≥ CR	≥ CR	VISIB (NM)		≥ CR	≥ CR	≥ CR	≥ CR
				≥ CR	≥ CR				
≥ CR >4500	.0	.0	.0	.0	.0	.0	.0	.0	.0
≥ CR >4000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ CR >3500	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ CR >3000	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ CR >2500	6.4	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3
≥ CR >2000	8.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
≥ CR >1500	8.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
≥ CR >1000	8.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
≥ CR >500	8.6	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
TOTAL	595	638	642	643	643	643	643	643	643

TOTAL NUMBER OF OBS: 6956

PCT FREQ NM <5/8: 90.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
38.8	21.4	14.6	10.1	5.1	3.2	3.1	1.0	1.5	.1	7338

PERIOD: (PRIMARY) 1953-1970
(COVER-ALL) 1975-1976

TABLE 4

AREA 0006 MANZANILLO SE
17.6N 102.9W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.2	.2	.1	.2	1.2	.9	.0	.6	.6	
	TOT 3	.0	.1	.2	.2	.1	.2	1.2	.9	.0	.6	.6	
10+	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	8.1	2.9	3.0	2.9	2.6	4.5	31.9	30.6	.0	9.1	95.6	
	TOT 3	8.1	2.9	3.1	2.9	2.6	4.5	32.0	30.6	.0	9.1	95.6	
TOT OBS													6314
TOT PCT		8.5	2.9	3.4	3.1	2.8	4.7	33.3	31.0	.0	9.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.1	.0	.1	.0	.0	.1	.1	.1	.0	.6	1.2	
	4-10	.2	.1	.1	.1	.1	.1	.7	.5	.0	1.9		
	11-21	.1	.0	.1	.0	.0	.0	.3	.6	.0	.9		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT 3	.4	.1	.2	.2	.1	.2	1.2	.9	.0	.6	4.0	
10+	0-3	1.6	.7	.8	.7	.7	1.0	3.6	3.1	.0	9.2	21.4	
	4-10	5.6	1.8	2.0	1.9	1.7	3.2	20.6	18.0	.0	54.6		
	11-21	1.0	.1	.3	.3	.2	.3	7.7	9.0	.0	16.0		
	22+	.0	.0	.0	.0	.0	.0	.2	.2	.0	.5		
	TOT 3	7.9	2.7	3.1	2.9	2.6	4.5	32.1	30.4	.0	9.2	95.5	
TOT OBS													6716
TOT PCT		8.4	2.9	3.4	3.1	2.7	4.7	33.4	31.5	.0	9.6	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

MARCH

AREA 0006 MANZANILLO SE
17-04 102-09

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	92 92	TOT FOG	% FOG	MO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.1	15	.0	.2
11/13	.0	.0	.0	.0	.1	.1	.1	.1	.0	35	.0	.4
9/10	.0	.0	.0	.0	.2	.3	.3	.1	.0	67	.0	.9
7/8	.0	.0	.0	.1	.4	.5	.4	.1	.0	114	.0	1.5
6	.0	.0	.0	.1	.4	.3	.2	.1	.0	80	.0	1.0
5	.0	.0	.1	.2	.6	.9	.4	.0	.0	168	.0	2.1
4	.0	.0	.1	.3	.9	1.3	.4	.0	.0	235	.0	3.0
3	.0	.0	.1	.3	1.0	1.2	.5	.0	.0	246	.0	3.1
2	.0	.0	.1	.7	2.4	2.3	.2	.0	.0	454	.0	5.8
1	.0	.0	.2	.9	2.5	2.2	.2	.0	.0	469	.0	6.0
0	.0	.0	.4	2.3	5.5	3.9	.2	.0	.0	959	.0	12.2
-1	.0	.1	.4	2.4	5.2	2.2	.0	.0	.0	805	.0	10.3
-2	.0	.1	.6	3.8	7.6	1.8	.0	.0	.0	1046	.0	13.6
-3	.0	.1	.9	4.0	5.5	.8	.0	.0	.0	879	.0	11.2
-4	.0	.2	.7	4.4	4.8	.5	.0	.0	.0	628	.0	10.5
-5	.0	.1	.9	3.4	3.1	.2	.0	.0	.0	601	.0	7.7
-6	.0	.1	.5	2.4	1.2	.1	.0	.0	.0	329	.0	4.2
-7/-8	.0	.1	.8	2.2	1.0	.1	.0	.0	.0	328	.0	4.2
-9/-10	.0	.1	.3	.6	.2	.0	.0	.0	.0	93	.0	1.2
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	.0	26	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	4	60	220	402	3335	235	44	6	7828	15	7813	
PCT	.1	.0	6.2	26.2	42.6	18.6	3.0	.6	100.0	.2	99.8	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	1.2	1.5	.0	.0	.0	.0	2.7	.7	1.0	.0	.0	.0	.0	1.7
1-2	.2	3.6	.2	.0	.0	.0	4.0	.3	1.1	.1	.0	.0	.0	1.5
3-4	.1	.9	.6	.0	.0	.0	1.6	.0	.5	.1	.0	.0	.0	.7
5-6	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	6.2	1.2	.0	.0	.0	8.9	.9	2.7	.3	.0	.0	.0	4.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.2	.8	.0	.0	.0	.0	1.1	.3	.6	.0	.0	.0	.0	.9
1-2	.2	1.7	.2	.0	.0	.0	2.0	.1	1.2	.3	.0	.0	.0	1.6
3-4	.0	.3	.1	.0	.0	.0	.3	.0	.3	.1	.0	.0	.0	.5
5-6	.0	.0	.2	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.8	.5	.0	.0	.0	3.8	.5	2.2	.5	.1	.0	.0	3.2

PERIOD: (OVER-ALL) 1943-1979

MARCH

ARLA 0006 MANZANILLO SF
17.6° 102.9°

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.1	.2	.0	.0	.0	.0		.4	.4	1.0	.0	.0	.0	.0		1.3
1-2	.3	1.3	.2	.0	.0	.0		1.7	.2	1.8	.1	.0	.0	.0		2.0
3-4	.4	.2	.0	.0	.0	.0		.2	.0	.6	.1	.0	.0	.0		.7
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.0		.1
7	.0	.0	.1	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.4	1.7	.2	.0	.0	.0		2.3	.6	3.4	.2	.0	.0	.0		4.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.9	3.9	.0	.0	.0	.0		4.8	1.1	3.1	.2	.0	.0	.0		4.4	
1-2	.8	11.5	2.3	.0	.0	.0		14.7	1.0	11.6	2.6	.0	.0	.0		15.4	
3-4	.2	5.4	4.3	.1	.0	.0		10.0	.3	5.0	4.4	.1	.0	.0		9.8	
5-6	.0	.5	1.5	.1	.0	.0		2.1	.1	.6	1.8	.1	.0	.0		2.5	
7	.0	.2	.1	.0	.0	.0		.4	.0	.0	.4	.0	.0	.0		.4	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.1	.1	.0	.0	.0		.2	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	2.1	21.5	8.4	.3	.0	.0		32.3	2.5	20.6	9.5	.2	.0	.0		32.7	91.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.3	12.1	.2	.0	.0	.0	26.5	
1-2	3.7	13.5	5.8	.0	.0	.0	43.0	
3-4	.8	13.0	9.5	.2	.0	.0	23.5	
5-6	.1	1.3	3.8	.2	.0	.0	5.4	
7	.0	.2	.7	.1	.0	.0	1.2	
8-9	.0	.1	.2	.1	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.0	60.3	20.2	.5	.0	.0	100.0	1691

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.8	24.6	18.6	5.3	1.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3473	3
6-7	.2	2.7	6.4	4.6	1.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	938	4
8-9	.1	.9	2.7	1.8	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	380	4
10-11	.0	.8	1.0	.5	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	159	4
12-13	.0	.0	.2	.4	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
>13	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	6
INDET	9.8	1.9	1.9	.8	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	873	1
TOTAL	1061	1845	1865	831	241	68	26	9	5	4	3	0	0	0	0	0	0	0	0	5958	3
PCT	17.8	31.0	31.3	13.9	4.0	1.1	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

APRIL

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHR	DRZL	FG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LING	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST SIG
N	.2	.0	.0	.0	.	.0	.0	.2	.0	.2	.4	.0	3.5	.0
NE	.4	.0	.9	.0	.0	.0	.0	1.3	.8	.4	.0	.0	9.2	.0
E	.7	.0	.0	.0	.0	.0	.0	.7	.8	.3	.4	.0	10.7	.0
SE	.4	.3	.0	.0	.0	.0	.0	.7	.7	1.5	.0	.0	4.9	.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	6.0	.0
SW	.0	.0	.2	.0	.0	.0	.0	.2	.0	.2	.6	.0	5.4	.0
W	.0	.	.	.0	.0	.0	.0	.1	.1	.1	.3	.0	5.0	.
NW	.	.0	.0	.0	.0	.0	.0	.	.	.1	.2	.0	3.9	.
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7	.0	11.2	.1
TOT PCT	.1	.	.	.0	.0	.0	.0	.1	.1	.2	.3	.0	5.6	.1
TOT OBS:	8278													93.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHR	DRZL	FG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LING	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST SIG
0000	.1	.	.0	.0	.0	.0	.0	.1	.1	.	.1	.0	4.7	.0
0600	.1	.	.0	.0	.0	.0	.0	.1	.2	.5	.2	.0	3.8	.
1200	.	.	.2	.0	.0	.0	.0	.3	.1	.2	.7	.0	6.2	.
1800	.	.0	.0	.0	.0	.0	.0	.	.2	.0	.4	.0	7.2	.1
TOT PCT	.1	.	.	.0	.0	.0	.0	.2	.1	.2	.3	.0	5.6	.1
TOT OBS:	8509													93.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.5	4.5	.8	.	.	.0		6.8	6.7	3.5	2.2	6.5	3.0	10.1	8.1	7.7	4.2
NE	.8	1.7	.2	.	.0	.0		2.7	5.7	1.1	1.0	1.4	.0	4.5	3.1	3.5	6.8
E	.8	2.0	.3	.	.0	.0		3.2	6.5	1.0	.6	2.3	.0	5.2	3.3	4.4	6.1
SE	1.1	2.2	.4	.	.0	.0		3.8	6.3	2.4	5.6	2.6	1.4	3.5	5.2	6.1	3.4
S	.6	1.8	.2	.0	.0	.0		2.7	5.8	2.8	1.8	1.6	1.4	1.5	.9	4.8	3.0
SW	1.4	3.5	.5	.	.0	.0		5.3	5.0	8.7	7.3	3.2	8.8	2.2	3.1	6.6	1.5
W	4.0	21.4	8.2	.3	.0	.0		34.0	8.4	49.4	36.9	35.1	47.9	23.6	25.2	27.8	39.0
NW	3.5	18.4	8.3	.4	.	.0		30.6	9.0	26.9	39.9	38.0	32.9	32.1	40.8	24.9	31.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.9							10.9	.0	4.2	4.8	9.2	4.6	17.1	10.3	14.2	4.5
TOT OBS	2172	4915	1676	75	2	0	8840		7.1	2071	126	1947	108	1950	213	2293	132
TOT PCT	24.6	55.6	19.0	.8	.	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	3.9	2.8	.1	.	.0		6.8	6.7	3.5	2.2	6.5	7.5
NE	1.9	.8	.	.	.0		2.7	5.7	1.1	1.3	4.6	3.7
E	2.0	1.1	.1	.	.0		3.2	6.5	.9	2.2	5.0	4.5
SE	2.3	1.3	.1	.	.0		3.8	6.3	2.4	2.5	3.7	5.9
S	1.9	.8	.0	.0	.0		2.7	5.8	2.7	1.6	1.4	4.7
SW	3.6	1.7	.	.0	.0		5.3	5.9	8.6	3.5	2.3	6.3
W	14.2	18.0	1.8	.	.0		34.0	8.4	48.7	35.8	23.7	28.4
NW	11.0	17.4	2.1	.1	.		30.6	9.0	27.6	37.7	32.9	25.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.9						10.9	.0	4.2	4.8	9.0	13.7
TOT OBS	4572	3882	372	13	1	8840		7.1	2197	2055	2163	2425
TOT PCT	51.7	43.9	4.2	.1	.		100.0		100.0	100.0	100.0	100.0

PERIOD: (PPIMAPY) 1454-1979
(COVER-ALL) 1870-1979

APRIL

AREA 0006 PANZANILLO SE
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000	4.2	9.8	57.1	27.5	1.4	.0	.0	8.7	2197
0600	9.0	9.9	58.1	21.9	1.1	.0	.0	7.9	2055
1200	16.5	16.2	52.5	14.1	.5	.0	.0	6.1	2163
1800	13.7	18.1	54.8	12.9	.5	.0	.0	6.0	2425
TOT	965	1207	4215	1476	75	2	0	7.1	8840
PCT	10.9	13.7	55.6	19.0	.8	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	PEAK CLOUD COVER
N	3.6	1.7	1.4	.4		2.9
NE	1.3	.6	.6	.2		3.1
E	1.4	.6	.8	.4		3.4
SE	1.5	.9	1.0	.3		3.4
S	1.5	.7	.5	.1		2.7
SW	2.5	1.3	1.0	.2		2.8
W	19.1	7.3	6.2	1.7		2.6
NW	16.9	6.0	5.9	1.3		2.6
VAR	.0	.0	.0	.0		.0
CALM	6.4	2.0	2.0	.7		2.5
TOT OBS	3659	1423	1300	370	6752	2.7
TOT PCT	54.2	21.1	19.3	5.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT./M)
AND OCCURRENCE OF NH <5/A BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/A	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
.0	.0	.0	.2	.5	.2	.1	.1	.1	.0	6.1	
.0	.0	.0	.2	.1	.0	.1	.0	.0	.0	2.2	
.0	.0	.0	.2	.4	.1	.1	.0	.0	.0	2.4	
.0	.0	.0	.2	.3	.1	.1	.0	.0	.0	2.9	
.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.4	
.1	.0	.1	.5	1.5	.8	.3	.1	.2	.1	30.5	
.1	.0	.2	.6	1.5	.8	.3	.2	.1	.1	26.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.1	.2	.5	.2	.1	.1	.1	.1	9.8	
.3	.1	.5	2.1	5.1	2.4	1.1	.5	.5	.4	87.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.8	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >2000	4.4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
= OR >1000	8.7	9.8	9.9	9.9	9.9	9.9	9.9	9.9
= OR >600	10.6	12.0	12.1	12.1	12.1	12.1	12.1	12.1
= OR >300	10.9	12.4	12.6	12.6	12.6	12.6	12.6	12.6
= OR >150	11.0	12.5	12.7	12.7	12.7	12.7	12.7	12.7
= OR >0	11.2	12.7	13.0	13.0	13.0	13.0	13.0	13.0
TOTAL	775	882	899	900	900	901	903	903

TOTAL NUMBER OF OBS: 6933

PCT FREQ NH <5/A: 87.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL
37.7	18.3	14.0	10.4	6.2	4.3	3.6	2.9	2.3	.2	7283

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1970-1979

APRIL

AREA 0000 MANZANILLO SE
17.6N 102.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.4	.3	.4	.4	.2	.4	2.5	2.1	.0	1.2	7.8	
	TOT %	.4	.3	.4	.4	.2	.4	2.5	2.1	.0	1.2	7.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	6.4	2.4	2.8	3.2	2.5	4.7	31.8	28.3	.0	9.3	91.5	
	TOT %	6.4	2.4	2.8	3.2	2.5	4.7	31.8	28.3	.0	9.3	91.6	
TOT OBS													
TOT PCT													
6.9 2.7 3.2 3.7 2.7 5.1 34.4 30.5 .0 10.7 100.0													

8267

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.1	.1	.1	.1	.0	.2	.4	.3	.0	1.2	2.4	
	4-10	.3	.2	.2	.3	.2	.2	1.5	1.2	.0		4.0	
	11-21	.1	.0	.0	.1	.0	.0	.5	.5	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.4	.3	.3	.4	.2	.4	2.4	2.1	.0	1.2	7.7	
10+	0-3	1.4	.7	.7	.9	.6	1.1	3.5	3.1	.0	9.5	21.6	
	4-10	4.2	1.5	1.8	1.9	1.7	3.2	20.0	17.1	.0		51.4	
	11-21	.8	.2	.3	.4	.2	.1	7.8	7.8	.0		17.7	
	22+	.0	.0	.0	.0	.0	.0	.1	.1	.0		.6	
	TOT %	6.4	2.4	2.8	3.2	2.4	4.8	31.6	28.3	.0	9.5	91.4	
TOT OBS													
TOT PCT													
6.9 2.7 3.2 3.6 2.7 5.2 34.2 30.6 .0 10.9 100.0													

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APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1970-1979AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 34/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8500+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.1	.2	.3	1.5	4.1	2.6	1.1	.5	.3	.5	11.2	88.8	1829
06009	.4	.1	.1	1.5	3.2	1.8	.9	.3	.3	.4	9.0	91.0	1683
12015	.4	.1	.9	4.4	7.8	2.5	1.0	.4	.2	.4	18.1	81.9	1749
18021	.2	.2	.5	1.2	4.2	2.2	1.3	.8	.8	.5	11.9	88.1	1961
TOT	20	10	32	153	349	165	77	37	31	32	906	6316	7222
PCT	.3	.1	.4	2.1	4.8	2.3	1.1	.5	.4	.4	12.5	87.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	0	.0	.3	5.4	94.2	2146
06009	.2	.0	.1	.4	7.0	92.2	2075
12015	.2	.0	.2	1.3	10.3	87.9	2165
18021	.1	0	.0	.8	7.8	91.2	2429
TOT	15	2	6	63	674	8055	8815
PCT	.2	0	.1	.7	7.6	92.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM 34/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.3	.7	2.3	9.5	88.3	1755
06009	.4	.9	2.8	7.2	90.0	1617
12015	.4	1.5	7.0	12.6	80.4	1672
18021	.2	.9	7.5	10.0	87.5	1989
TOT	23	69	251	682	6000	6933
PCT	.3	1.0	3.6	9.8	86.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/99	.0	.0	.0	0	.0	.0	.0	.0	1	0
50/94	.0	0	0	.1	.2	0	.1	.0	32	.5
55/89	.0	0	.1	.4	1.8	2.0	.6	.1	551	5.1
60/84	.0	.0	0	.5	7.5	17.9	8.5	1.5	2485	35.9
75/79	.0	.0	.0	.2	2.3	19.3	19.2	5.3	3210	46.4
70/74	.0	.0	.0	.7	.5	2.1	5.5	3.6	805	11.6
65/69	.0	.7	.0	.0	0	0	.2	.2	37	.5
TOTAL	0	1	11	84	851	2863	2362	743	6921	100.0
PCT	.0	0	.2	1.3	12.3	41.4	34.1	10.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/99	.0	.0	.0	.0	.0	.0	0	0	.0	.0
50/94	.1	0	0	0	0	0	.1	.2	.0	0
55/89	.4	.3	.1	.2	.2	.4	1.6	1.2	.0	.7
60/84	2.4	1.0	1.1	1.4	1.2	2.2	13.6	9.0	.0	3.9
75/79	3.0	1.1	1.7	1.5	1.2	1.9	15.3	15.2	.0	5.5
70/74	1.0	.3	.5	.3	.1	.3	3.3	4.5	.0	1.4
65/69	0	0	0	.0	0	0	.2	.3	.0	0
TOTAL	6.9	2.8	3.4	3.5	2.7	4.8	34.1	30.3	.0	11.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	65%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	88	85	80	75	72	63	80.1	2207
06009	94	84	82	77	72	70	66	77.3	2293
12015	84	84	82	77	71	69	60	76.4	2228
18021	96	90	86	81	75	72	69	80.7	2476
TOT	96	88	85	79	73	70	60	78.7	9004

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.8	15.5	50.3	26.1	5.8	77	1769
06009	.0	.5	4.5	35.0	44.5	15.5	82	1699
12015	.0	.2	5.0	31.7	44.3	18.7	82	1725
18021	.0	3.1	22.5	47.1	23.4	5.6	75	1916
TOT	0	104	469	2942	2432	762	79	7109

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979AREA CODE PANZANILLO SE
17.64 102.94

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT FOG	4 FOG	40 FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.1	.1	.1	26	.0	.3
9/10	.0	.0	.0	.0	.0	.1	.2	.2	.1	48	.0	.6
7/8	.0	.0	.0	.0	.0	.3	.5	.5	.1	109	.0	1.4
6	.0	.0	.0	.0	.1	.2	.7	.5	.1	118	.0	1.5
5	.0	.0	.0	.0	.2	.6	1.2	.8	.1	217	.0	2.8
4	.0	.0	.0	.0	.2	.9	1.9	.8	.1	299	.0	3.8
3	.0	.0	.0	.0	.3	.8	1.6	.4	.0	250	.0	3.2
2	.0	.0	.0	.1	.7	2.1	3.0	.4	.0	482	.0	6.2
1	.0	.0	.0	.0	.8	2.2	3.0	.3	.0	490	.0	6.3
0	.0	.0	.0	.2	1.8	5.3	4.9	.4	.0	986	.0	12.7
-1	.0	.0	.0	.3	1.9	5.1	2.9	.2	.0	805	.0	10.4
-2	.0	.0	.0	.4	3.6	8.6	2.9	.0	.0	1052	.1	13.5
-3	.0	.0	.0	.5	2.9	5.2	1.4	.1	.0	776	.0	10.0
-4	.0	.0	.0	.5	3.7	4.7	1.0	.1	.0	779	.0	10.0
-5	.0	.0	.0	.6	2.9	3.7	.6	.0	.0	612	.0	7.9
-6	.0	.0	.0	.4	1.9	1.5	.1	.0	.0	306	.0	3.9
-7/-8	.0	.0	.0	.7	1.8	1.2	.1	.0	.0	291	.0	3.7
-9/-10	.0	.0	.1	.2	.4	.3	.0	.0	.0	82	.0	1.1
-11/-13	.0	.0	.0	.0	.1	.0	.0	.0	.0	18	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	4	17	309	3147	2033	366	7	7763	26	7737	
PCT	.0	.1	.2	4.0	23.1	41.1	26.2	4.7	.6	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.9	.7	.0	.0	.0	.0	1.4	.2	.8	.0	.0	.0	.0	1.0
1-2	.4	3.2	.3	.0	.0	.0	3.9	.2	1.0	.0	.0	.0	.0	1.2
3-4	.1	.9	.2	.0	.0	.0	1.2	.0	.1	.0	.0	.0	.0	.5
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	4.9	.7	.0	.0	.0	6.8	.4	2.2	.7	.1	.0	.0	2.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.3	.4	.0	.0	.0	.0	.9	.4	.4	.0	.0	.0	.0	1.0
1-2	.0	1.0	.1	.0	.0	.0	1.0	.2	.9	.1	.0	.0	.0	1.2
3-4	.0	.3	.2	.0	.0	.0	.5	.1	.4	.2	.0	.0	.0	.7
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.4	.0	.0	.0	2.7	.7	1.9	.4	.0	.0	.0	3.0

PERIOD: (OVER-ALL) 1963-1979

APRIL

AREA 0006 MANZANILLO SE
17-04 102-04

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.8	.5	1.0	.1	.0	.0	.0	1.7
1-2	.3	.8	.0	.0	.0	.0	1.1	.7	1.7	.2	.0	.0	.0	2.5
3-4	.0	.4	.0	.0	.0	.0	.5	.1	.5	.1	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.7	.1	.0	.0	.0	2.3	1.4	3.4	.5	.0	.0	.0	5.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.7	4.0	.1	.0	.0	.0	5.8	1.5	3.2	.1	.0	.0	.0	4.8	
1-2	1.0	12.5	2.9	.1	.0	.0	16.4	1.1	10.9	2.5	.0	.0	.0	14.5	
3-4	.3	5.4	3.5	.0	.0	.0	9.2	.5	4.7	4.9	.1	.0	.0	10.1	
5-6	.0	.4	2.2	.0	.0	.0	2.6	.1	.6	2.0	.2	.0	.0	2.8	
7	.0	.1	.3	.0	.0	.0	.4	.0	.1	.5	.1	.0	.0	.6	
8-9	.0	.1	.1	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	22.8	9.1	.2	.0	.0	34.9	3.1	19.7	10.1	.3	.0	.0	33.2	91.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	15.5	11.3	.3	.0	.0	.0	27.1	
1-2	4.8	31.1	6.0	.1	.0	.0	41.9	
3-4	1.3	12.6	9.1	.1	.0	.0	22.9	
5-6	.1	1.2	4.4	.2	.0	.0	6.1	
7	.0	.3	.7	.1	.0	.0	1.1	
8-9	.0	.2	.3	.1	.0	.0	.5	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	21.7	56.8	20.4	.6	.0	.0	100.0	1744

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	0.2	22.1	18.0	5.5	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3323	3
6-7	.2	3.1	6.7	4.2	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	948	4
8-9	.0	1.4	3.1	1.9	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	455	4
10-11	.0	.0	1.0	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	200	4
12-13	.0	.0	.9	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	5
13-15	.0	.0	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	6
14-16	10.4	1.9	1.7	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	896	1
TOTAL	1126	1770	1444	644	218	81	28	11	12	3	1	0	0	0	0	0	0	0	0	4004	3
PCT	18.8	29.5	31.5	14.4	3.6	1.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PMHARY) 1954-1974
(OVER-ALL) 1961-1974

MAY

AREA 0004, PANTANILLO ST
17.6N 102.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRYM PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THUN LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLDG DUST	NO	WFO
N	.7	.0	.6	.0	.0	.0	.0	1.5	.5	.4	.3	.2	7.5	.0	.0	85.5	
NE	2.9	1.1	.2	.0	.0	.0	.0	4.2	.5	2.5	.5	.0	9.5	.0	.0	82.7	
E	2.3	.9	1.3	.0	.0	.0	.0	4.6	1.6	1.8	.0	.0	7.4	.0	.0	84.5	
SE	1.5	1.1	.8	.0	.0	.0	.0	3.4	.7	.4	.0	.0	6.7	.0	.0	85.8	
S	1.0	1.0	.3	.0	.0	.0	.0	1.9	1.0	1.0	.2	.0	5.6	.0	.0	90.7	
SW	.4	.4	.2	.0	.0	.0	.0	1.0	.2	.6	.9	.0	8.3	.0	.0	88.4	
W	.0	.0	.1	.0	.0	.0	.0	.1	.0	.6	.5	.0	6.4	.0	.0	91.8	
NW	.1	.0	.2	.0	.0	.0	.0	.4	.2	.7	.4	.0	4.0	.0	.0	93.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.1	.0	.0	.0	.0	.1	.2	.9	.4	.0	14.2	.0	.0	81.5	
TOT PCT	.4	.2	.2	.0	.0	.0	.0	.8	.1	.8	.5	.0	7.4	.0	.0	90.4	
TOT OBS:	9183																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRYM PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THUN LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLDG DUST	NO	WFO
0000	.3	.1	.2	.0	.0	.0	.0	.4	.2	.1	.2	.0	6.8	.0	.0	92.1	
0600	.4	.2	.3	.0	.0	.0	.0	.7	.2	2.0	.3	.0	4.1	.0	.0	72.6	
1200	.6	.3	.4	.0	.0	.0	.0	1.3	.4	1.2	.7	.0	7.1	.0	.0	84.2	
1800	.2	.1	.2	.0	.0	.0	.0	.5	.2	.1	.8	.0	10.9	.0	.0	87.9	
TOT PCT	.4	.2	.2	.0	.0	.0	.0	.8	.1	.8	.5	.0	7.1	.0	.0	90.3	
TOT OBS:	9451																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	H=3	WIND SPEED (KNOTS)						W=	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)								
		0-10	11-21	22-31	34-47	48-57	00					05	06	07-24	12	15	16	21		
N	1.5	4.1	.7	0	0	0	.0	6.2	6.3	5.2	2.4	5.2	2.4	10.9	4.2	6.2	6.1			
NE	.5	1.7	.2	0	0	0	.0	2.5	6.4	.9	1.2	1.7	2.0	4.4	6.0	2.7	6.1			
E	.9	2.0	.5	.1	.1	0	.0	3.5	7.7	1.7	1.2	2.6	4.7	5.8	4.2	4.6	4.2			
SE	.8	2.0	.5	.1	0	0	.0	3.4	7.0	2.1	1.4	2.7	1.9	1.0	4.0	5.0	4.6			
S	1.0	2.0	.2	0	0	0	.0	3.2	5.8	3.4	1.4	2.7	1.9	1.4	1.0	4.2	4.2			
SW	1.5	4.1	.4	0	0	0	.0	6.0	6.1	4.9	6.8	4.4	4.5	2.4	3.6	6.4	4.2			
W	4.2	27.4	7.4	.2	0	0	.0	34.4	8.2	49.3	41.4	16.4	45.7	21.7	21.4	11.7	28.1			
NW	3.2	19.2	7.4	.2	0	0	.0	29.0	6.9	24.7	14.9	11.4	22.4	22.7	10.4	24.6	11.7			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	11.4							11.4	.0	.0	.0	.0	.0	.0	.0	.0	.0			
TOT OBS	2450	9531	1692	55	15	2	4731	11.4	.0	6.4	4.9	10.2	4.1	17.0	10.1	15.1	7.7			
TOT PCT	25.0	96.8	17.4	.6	.2	0	47.1	100.0		6.4	22.6	16.2	21.6	12.7	21.0	29.4	24.7			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-5	6-10	11-20	21-40				00	06	12	18
N	5.9	7.2	.1	.0	.0	6.2	6.3	5.1	5.0	10.7	6.1
NE	1.7	.7	.0	.0	.0	2.5	6.4	.9	1.7	4.8	2.7
E	2.1	1.1	.2	.1	.0	3.6	7.7	1.3	2.7	5.3	4.6
SE	2.1	1.1	.1	.0	.0	3.4	7.0	2.4	2.7	1.2	5.0
S	2.2	.9	.0	.0	.0	3.2	5.8	3.4	2.0	1.7	4.2
SW	4.0	1.0	.1	.0	.0	6.0	6.1	4.9	6.8	2.7	6.5
W	14.7	16.7	1.4	.0	.0	34.8	8.2	49.3	17.5	22.9	10.9
NW	11.0	19.6	1.5	.0	.0	29.0	6.9	24.7	14.9	11.4	11.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.4					11.4	.0	.0	.0	.0	.0
TOT OBS	52.6	91.9	3.4	.2	4	97.1	6.4	24.6	22.2	21.6	24.7
TOT PCT	53.9	92.3	3.4	.2		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1954-1979
(COVER-ALL) 1961-1979

MAY

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000Z	4.5	10.0	59.3	25.4	.7	.1	*	8.4	100.0	2448
0600Z	6.9	10.4	57.9	20.4	.7	.3	.0	7.4	100.0	2292
1200Z	10.3	15.3	56.3	11.5	.4	.2	.0	5.9	100.0	2368
1800Z	14.8	19.0	54.1	12.5	.5	*	*	5.9	100.0	2623
TOT	1110	1326	5531	1692	55	15	2	6.9		9731
PCT	11.4	13.6	56.8	17.4	.6	.2	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER	700 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	TOTAL OBS
N	2.5	1.5	1.4	.7	3.4	3.4	0	.0	.1	.2	.4	.1	.1	0	.0	5.1	
NE	.9	.4	.5	.4	4.1	4.1	0	.0	.1	.1	.2	.1	.1	0	0	1.6	
E	1.2	.7	1.3	.4	4.2	4.2	0	0	0	.3	.2	.1	.1	0	0	2.8	
SE	1.1	.7	1.1	.6	4.4	4.4	0	0	.1	.3	.1	.1	.1	0	0	2.6	
S	1.4	.8	.7	.2	3.2	3.2	0	0	0	.1	.2	0	.1	0	0	2.7	
SW	3.0	1.4	1.1	.5	3.0	3.0	0	.0	0	.2	.3	.2	0	0	0	5.3	
W	16.4	8.5	7.3	2.4	3.0	3.0	.1	0	.1	.7	1.5	.9	.4	.2	.1	30.5	
NW	12.8	6.4	6.8	2.4	3.2	3.2	.1	0	.1	.8	1.6	.9	.4	.1	.1	24.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.0	2.7	2.3	1.0	2.9	2.9	.1	.0	.1	.2	.5	.3	.1	0	0	10.5	
TOT OBS	3147	1736	1666	651	7400	3.2	21	4	47	211	394	193	95	34	25	24	7400
TOT PCT	45.2	23.5	22.5	8.8	100.0		.3	.1	.6	2.9	5.3	2.6	1.3	.5	.3	85.9	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) AND OCCURRENCE OF AM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER	700 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	TOTAL OBS
N	2.5	1.5	1.4	.7	3.4	3.4	0	.0	.1	.2	.4	.1	.1	0	.0	5.1	
NE	.9	.4	.5	.4	4.1	4.1	0	.0	.1	.1	.2	.1	.1	0	0	1.6	
E	1.2	.7	1.3	.4	4.2	4.2	0	0	0	.3	.2	.1	.1	0	0	2.8	
SE	1.1	.7	1.1	.6	4.4	4.4	0	0	.1	.3	.1	.1	.1	0	0	2.6	
S	1.4	.8	.7	.2	3.2	3.2	0	0	0	.1	.2	0	.1	0	0	2.7	
SW	3.0	1.4	1.1	.5	3.0	3.0	0	.0	0	.2	.3	.2	0	0	0	5.3	
W	16.4	8.5	7.3	2.4	3.0	3.0	.1	0	.1	.7	1.5	.9	.4	.2	.1	30.5	
NW	12.8	6.4	6.8	2.4	3.2	3.2	.1	0	.1	.8	1.6	.9	.4	.1	.1	24.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.0	2.7	2.3	1.0	2.9	2.9	.1	.0	.1	.2	.5	.3	.1	0	0	10.5	
TOT OBS	3147	1736	1666	651	7400	3.2	21	4	47	211	394	193	95	34	25	24	7400
TOT PCT	45.2	23.5	22.5	8.8	100.0		.3	.1	.6	2.9	5.3	2.6	1.3	.5	.3	85.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM <5/8) AND VISIB (AM)

CEILING (FEET)	≥ 70	≥ 50	≥ 30	≥ 10	≥ 5	≥ 2	≥ 1	≥ 0
≥ 70	100.0	96.6	93.2	89.8	86.4	83.0	79.6	76.2
≥ 50	96.6	93.2	89.8	86.4	83.0	79.6	76.2	72.8
≥ 30	89.8	86.4	83.0	79.6	76.2	72.8	69.4	66.0
≥ 10	83.0	79.6	76.2	72.8	69.4	66.0	62.6	59.2
≥ 5	76.2	72.8	69.4	66.0	62.6	59.2	55.8	52.4
≥ 2	69.4	66.0	62.6	59.2	55.8	52.4	49.0	45.6
≥ 1	62.6	59.2	55.8	52.4	49.0	45.6	42.2	38.8
≥ 0	55.8	52.4	49.0	45.6	42.2	38.8	35.4	32.0
TOTAL	970	1037	1062	1066	1068	1070	1072	1073

TOTAL NUMBER OF OBS: 7405 PCT FREQ AM <5/8: 85.9

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
29.5	18.2	17.1	12.6	8.1	4.4	4.1	2.6	1.3	.2	1025

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1961-1979

MAY

AREA 0006 MATANILLO SE
17.04 102.96

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.	.	.0	.0	.0	.0	.0	.0	.0	.	.
	NO PCP	.0	.7	.0	.0	.0	.0	.0	.	.0	.	.	.
	TOT S	.0	.	.	.0	.0	.0	.0	.	.0	.	.	.1
1/2-1	PCP	.0	.	.	.0	.0	.0	.0	.0	.0	.0	.	.
	NO PCP	.0	.7	.0	.0	.0	.0	.0	.	.0	.	.	.
	TOT S	.0	.	.	.0	.0	.0	.0	.	.0	.	.	.1
1-2	PCP	.0	.7	.	.0	.	.0	.0	.	.0	.0	.	.
	NO PCP	.0	.0	.0	.0	.	.0	.	.	.0	.	.	.
	TOT S	.0	.0	.	.0	.	.0	.	.	.0	.	.	.1
2-5	PCP	.	.	.	.	.0	.	.0	.0	.0	.	.	.1
	NO PCP	.1	.	.	.	.	.	.1	.1	.0	.1	.1	.4
	TOT S	.1	.1	.1	.	.	.	.1	.1	.0	.1	.1	.5
5-10	PCP	.	.	.	.	.	.	.0	.1	.0	.0	.	.2
	NO PCP	.7	.4	.4	.5	.1	.4	2.9	2.2	.0	1.7	6.7	9.7
	TOT S	.7	.4	.5	.5	.4	.4	2.9	2.2	.0	1.7	6.9	9.9
10+	PCP	.	.	.	.1	.	.	.	.	.0	.	.	.3
	NO PCP	5.4	2.0	3.0	2.4	2.4	5.1	11.4	26.4	.0	9.6	80.0	90.0
	TOT S	5.4	2.0	3.0	2.4	2.4	5.1	11.4	26.4	.0	9.6	80.3	90.3
TOT OBS													9162
TOT PCT		6.3	2.5	3.4	3.5	3.2	6.0	14.7	24.4	.0	11.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	WSP KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-5	.0	.0	.0	.0	.0	.0	.	.0	.0	.	.	.
	6-10	.0	.0	.0	.0	.0	.0	.	.0	.0	.	.	.1
	11-25	.	.	.	.	.0	.0	.	.	.0	.	.	.
	26+	.0	.	.	.	.0	.0	.	.	.0	.	.	.
	TOT S	.0	.	.	.	.0	.0	.	.	.0	.	.	.1
1/2-1	0-5	.0	.0	.0	.0	.0	.0	.	.	.0	.	.	.
	6-10	.0	.0	.0	.0	.0	.0	.	.	.0	.	.	.
	11-25	.0	.0	.	.0	.0	.0	.	.	.0	.	.	.
	26+	.0	.	.	.	.0	.0	.	.	.0	.	.	.
	TOT S	.0	.	.	.	.0	.0	.	.	.0	.	.	.1
1-2	0-5	.0	.0	.0	.0	.	.	.	.	.0	.	.	.1
	6-10	.0	.0	.0	.0	.0	.0	.	.	.0	.	.	.
	11-25	.	.0	.0	.0	.0	.0	.	.	.0	.	.	.
	26+	.0	.0	.	.	.0	.0	.	.	.0	.	.	.
	TOT S	.	.0	.	.	.0	.0	.	.	.0	.	.	.1
2-5	0-5	.	.	.	.0	.	.	.	.1	.0	.1	.0	.
	6-10	.1	.	.	.	.	.	.2	.1	.0	.	.0	.
	11-25	.0	.	.	.	.	.	.	.	.0	.	.0	.
	26+	.	.	.	.	.	.	.	.	.0	.	.0	.
	TOT S	.1	.1	.1	.1	.	.1	.2	.2	.0	.1	1.0	
5-10	0-5	.2	.1	.1	.2	.1	.1	.4	.3	.0	3.6	3.3	
	6-10	.4	.1	.2	.3	.2	.4	1.0	1.4	.0		6.4	
	11-25	.1	.	.1	.1	.	.1	.4	.5	.0		1.1	
	26+	.0	.0	.	.	.	.	.	.	.0	.	.1	
	TOT S	.7	.4	.4	.5	.3	.4	2.8	3.2	.0	3.6	9.7	
10+	0-5	1.3	.5	.7	.7	.0	1.3	3.6	2.0	.0	9.6	21.1	
	6-10	3.6	1.3	1.0	1.7	1.0	3.0	26.0	16.6	.0		51.0	
	11-25	.0	.1	.0	.0	.2	.1	7.1	6.9	.0		16.0	
	26+	.	.	.	.1	.	.	.2	.1	.0		.5	
	TOT S	5.4	1.9	2.0	2.9	2.0	5.4	31.6	26.0	.0	9.6	89.0	
TOT OBS													9479
TOT PCT		6.2	2.5	3.5	3.4	3.2	6.0	34.0	29.0	.0	11.4	100.0	

PERIOD: (PRIMARY) 1954-1974
(SECONDARY) 1961-1979

MAY

AREA 0004 MANZANILLO SE
17.6N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF AM <5/8 BY HOUR

HOURLY (GMT)	0-100	100-149	150-199	200-249	250-299	300-349	350-399	400-449	450-499	500-549	550-599	600-649	650-699	700-749	750-799	800-849	850-899	900-949	950-999	TOTAL OBS
0000Z	.1	.1	.3	2.3	4.2	2.1	1.2	.6	.5	.2	11.8	88.2	2058							
0600Z	.1	.1	.5	2.2	4.7	2.0	.7	.2	.2	.4	11.2	88.8	1842							
1200Z	.3	.1	.8	4.6	8.0	5.8	1.7	.3	.3	.4	20.3	79.7	1902							
1800Z	.4	.4	.5	2.0	3.6	2.1	1.3	.7	.4	.2	11.2	88.8	2131							
TOT	21	6	43	219	401	197	97	35	28	25	1074	6856	7933							
PCT	.3	.1	.5	2.8	5.1	2.5	1.2	.4	.4	.3	13.5	96.5	100.0							

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOURLY (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.4	.4	.4	.4	8.4	92.9	2432
0600Z	.1	.4	.4	.4	7.4	91.3	2734
1200Z	.2	.1	.1	1.7	11.2	94.7	2373
1800Z	.2	.2	.2	1.2	11.7	86.8	2651
TOT	14	8	6	174	952	8863	9750
PCT	.1	.1	.1	1.2	9.4	88.9	100.0

TABLE 12

CUMULATIVE PCT FREE OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOURLY (GMT)	<150 <5000	<600 1-5	<1000 1-5	<2000 1-5	AM <5/8 AND 5+	TOTAL OBS
0000Z	.2	.7	3.3	9.1	87.6	1979
0600Z	.3	1.0	3.6	9.3	88.0	1773
1200Z	.3	1.4	6.9	14.8	78.3	1819
1800Z	.4	1.0	3.5	4.4	87.9	2034
TOT	22	77	126	272	6507	7605
PCT	.3	1.0	4.3	10.2	85.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/84	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
60/86	.0	.0	.0	.0	.0	.0	.0	.0	96	1.2
65/86	.0	.0	.0	3.6	7.5	1.6	.4	.4	946	12.5
70/88	.0	.0	.0	7.1	23.8	18.7	2.8	.4	4035	52.4
75/79	.0	.0	.0	.0	11.5	14.1	4.6	.4	2364	31.1
80/74	.0	.0	.0	.0	.0	1.4	.9	.0	208	2.7
85/64	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
TOTAL	.0	.0	.0	14	454	3272	2715	687	7705	100.0
PCT	.0	.0	.0	1.8	58.4	42.4	35.2	8.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/86	.1	.0	.0	.1	.1	.1	.5	.3	.0	.1
65/86	.7	.3	.5	.5	.6	.9	4.4	1.0	.0	1.5
70/88	3.1	1.2	1.8	2.0	1.8	1.8	19.0	12.5	.0	6.2
75/79	2.1	.8	1.2	.8	.5	1.0	9.9	10.7	.0	5.9
80/74	.2	.1	.1	.0	.0	.1	.7	1.3	.0	.3
85/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.2	2.4	3.7	3.5	3.1	5.4	34.4	28.8	.0	12.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURLY (GMT)	MAX	MIN	5%	50%	5%	1%	MEAN	TOTAL OBS	
0000Z	84	60	64	82	77	74	74	82-2	2461
0600Z	91	64	64	80	75	72	69	74-5	2346
1200Z	95	65	63	79	74	72	64	74-8	2446
1800Z	98	61	68	83	77	73	68	82-7	2705
TOT	94	60	67	81	75	73	64	81-4	9958

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURLY (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.0	17.2	48.8	27.4	5.5	77	2002		
0600Z	.0	.3	4.4	38.3	45.2	11.7	81	1921		
1200Z	.0	.3	3.7	32.3	48.6	15.1	82	1915		
1800Z	.0	2.3	22.4	44.1	22.0	4.0	75	2046		
TOT	.0	.1	9.3	33.6	24.0	7.9	79	7934		

PERIOD: (PRIMARY) 1954-1974
(OVER-ALL) 1963-1974

TABLE 17

AREA 0006 PANZANILLO IS
17.6N 102.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	61	65	69	73	77	81	85	89	93	PCT FOG	PCT FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	.2
11/13	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	.3
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	.7
7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	1.6
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	2.3
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	244	3.4
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	276	3.2
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	524	6.1
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	572	6.5
0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1102	11.6
-1	.0	.0	.0	.0	.0	.0	.0	.0	.0	966	11.2
-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1256	14.5
-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	976	10.5
-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	654	6.9
-5	.0	.0	.0	.0	.0	.0	.0	.0	.0	563	6.3
-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	291	3.4
-7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	273	3.2
-9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	90	.9
-11/12	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	.4
-13/14	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
-15/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
-17/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	2	6	54	754	1095	3504	156	18	854	9546	
PCT	.1	.1	1.1	8.0	11.0	40.4	11.5	1.4	.2	100.0	99.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19-20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27-28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29-30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35-36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37-38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43-44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53-54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57-58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63-64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65-66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67-68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73-74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75-76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77-78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79-80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81-82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87-88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89-90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93-94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95-96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97-98	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99-100	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.1	1.1	.0	.0	.0	6.3	1.1	1.1	.1	.0	.0	.0	1.8

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[illegible]

No														TOTAL
PCT														PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-7	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	0.1	.0	.0	.0	.0	6.2	1.2	3.0	.1	.0	.0	.0	5.1
1-2	1.4	14.3	2.4	.0	.0	.0	14.5	1.2	12.2	2.2	.0	.0	.0	15.4
3-4	.0	5.2	1.2	.1	.0	.0	8.4	.1	4.0	3.3	.1	.0	.0	7.5
5-6	.1	.2	1.4	.1	.0	.0	2.4	.1	.7	1.7	.1	.0	.0	2.5
7	.0	.0	.1	.0	.0	.0	.2	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.1	.1	.0	.0	.0	.2	.0	.1	.1	.1	.0	.0	.2
10-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.0	24.0	2.4	.2	.1	.0	34.2	2.4	20.4	2.2	.2	.0	.0	31.3

AGE	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	TOT 085
<1	17.2	12.4	.2	.0	.0	.0	.0	28.9	
1-2	4.4	33.2	5.7	.0	.0	.0	.0	43.3	
3-4	.7	11.5	7.1	.2	.0	.0	.0	19.5	
5-6	.3	1.7	3.4	.2	.0	.0	.0	5.7	
7	.0	.0	.3	.2	.0	.0	.0	.6	
8-9	.0	.0	.2	.1	.0	.0	.0	.4	
10-11	.0	.0	.1	.0	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	.0	
17-18	.0	.0	.0	.0	.0	.0	.0	.0	
19-20	.0	.0	.0	.0	.0	.0	.0	.0	
21-24	.0	.0	.0	.0	.0	.0	.0	.0	
25-34	.0	.0	.0	.0	.0	.0	.0	.0	
35-44	.0	.0	.0	.0	.0	.0	.0	.0	
45-54	.0	.0	.0	.0	.0	.0	.0	.0	
55-64	.0	.0	.0	.0	.0	.0	.0	.0	
65-74	.0	.0	.0	.0	.0	.0	.0	.0	
75-84	.0	.0	.0	.0	.0	.0	.0	.0	
85+	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.1	54.4	17.4	.7	.0	.0	.0	100%	

TABLE 24

[illegible]

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1871-1979

JUNE

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDP LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	2.4	.8	1.3	.0	.0	.0	.0	4.4	3.5	3.6	.0	.0	1.0	.0	87.6
NE	6.2	2.3	2.4	.0	.0	.0	.0	10.6	4.3	5.5	.0	.0	.0	.0	76.3
E	7.3	2.7	2.4	.0	.0	.0	.0	12.4	6.2	4.3	.0	.0	.0	.0	77.1
SE	7.2	3.5	1.8	.0	.0	.0	.0	12.1	4.5	3.1	.0	.0	.0	.0	80.0
S	5.6	1.4	1.1	.0	.0	.0	.0	7.9	5.1	2.3	.1	.0	.0	.0	84.2
SW	3.0	1.1	.6	.0	.0	.0	.0	4.6	1.7	3.2	.0	.0	.0	.0	89.6
W	1.5	.5	.9	.0	.0	.0	.0	2.9	1.1	2.7	.0	.0	1.1	.0	92.1
NW	1.8	.9	.9	.0	.0	.0	.0	3.6	1.9	2.8	.0	.0	1.0	.0	91.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5	.4	1.0	.0	.0	.0	.0	2.5	1.5	4.0	.0	.0	1.1	.0	85.5
TOT PCT	3.2	1.3	1.2	.0	.0	.0	.0	5.6	2.6	3.1	.0	.0	1.0	.0	87.6
TOT OBS:	8633														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHWR	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDP LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
06003	2.0	.5	.9	.0	.0	.0	.0	3.4	1.2	.3	.0	.0	1.4	.1	93.6
06009	2.6	1.4	.7	.0	.0	.0	.0	4.9	3.0	6.2	.0	.0	.0	.0	83.7
12015	5.2	2.3	1.8	.0	.0	.0	.0	9.0	4.0	4.5	.0	.0	.7	.0	82.0
18021	3.3	1.1	1.4	.0	.0	.0	.0	5.6	2.2	.2	.0	.0	1.4	.0	90.7
TOT PCT	3.3	1.3	1.2	.0	.0	.0	.0	5.7	2.6	3.2	.0	.0	1.0	.1	87.7
TOT OBS:	8687														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21		
N	1.4	3.7	.7	.	.	.	0	5.7	6.6	2.4	2.5	4.8	4.3	9.8	7.8	6.3	2.6		
NE	.5	2.3	.6	.	.	.	0	3.5	7.8	1.2	2.0	2.9	4.8	5.5	7.4	3.5	7.5		
E	.9	4.1	2.2	.	8	.1	.	8.2	11.2	4.5	8.7	6.0	7.6	11.7	10.2	10.2	11.5		
SE	1.0	4.9	3.4	1.0	.1	.	0	10.4	11.6	10.4	12.1	9.5	11.8	8.6	9.9	13.2	10.8		
S	.9	3.0	1.1	.2	.	.	0	6.1	8.3	9.0	8.6	6.3	6.3	4.1	5.2	4.9	7.8		
SW	1.2	4.0	1.0	.1	.	.	0	7.2	7.6	12.9	9.3	6.7	9.3	3.3	5.3	5.6	4.2		
W	2.9	17.0	7.8	.4	.1	.	0	28.1	9.1	38.4	34.7	30.1	35.6	19.0	23.6	21.9	20.7		
NW	2.5	13.7	6.1	.3	.	.	0	22.7	8.9	17.2	17.7	24.5	14.4	27.0	25.5	23.2	19.4		
VAR	.0	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.
CALM	3.0	.	.	.	.	.	0	8.0	.	3.9	4.5	9.1	4.9	11.6	5.0	9.0	2.9
TOT OBS	1767	4986	2095	261	35	5	9344	8.4	.	2127	174	2002	142	1968	258	2700	174		
TOT PCT	19.3	54.5	22.9	2.9	.4	.1	.	100.0	.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28+	0	1	2				00	03	06	09
N	3.3	2.3	.1	.0				5.7	6.6	2.4	2.5	4.8	4.3	9.8
NE	1.7	1.5	.2	.0				3.5	7.8	1.2	2.0	2.9	4.8	5.5
E	2.9	3.6	1.4	.5				8.2	11.2	4.5	8.7	6.0	7.6	11.7
SE	3.1	5.3	1.8	.3				10.5	11.6	10.4	12.1	9.5	11.8	8.6
S	3.1	2.6	.4	.0				6.1	8.3	9.0	8.6	6.3	6.3	4.1
SW	3.7	3.2	.2	.1				7.2	7.6	12.9	9.3	6.7	9.3	3.3
W	10.3	15.7	1.9	.1				28.1	9.1	18.4	34.7	30.1	35.6	19.0
NW	9.1	11.9	1.6	.1				22.7	8.9	17.2	17.7	24.5	14.4	27.0
VAR	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
CALM	8.0							8.0	.0	3.9	4.5	9.1	4.9	11.6
TOT OBS	4139	4211	693	91	10	91.4		8.4		2300	2144	2226	2474	2474
TOT PCT	45.3	46.1	7.6	1.0	.1			100.0		100.0	100.0	100.0	100.0	100.0

PERIOD (PRIMARY) 1953-1979
(COVER ALL) 1971-1979

NAME

AREA 0006 MANZANILLO
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)					PCT	TOTAL
				11-21	22-31	32-42	43-53	54-64		
0000	4.0	3.5	55.5	27.5	3.5	.5	.1	9.4	100.0	2300
0600	5.5	9.5	54.1	24.1	2.7	.5	.1	8.6	100.0	2144
1200	10.8	13.5	51.1	19.9	2.4	.2	.1	7.8	100.0	2276
1800	9.6	17.7	55.3	20.3	2.8	.3	.1	8.0	100.0	2474
TOT	73.4	107.8	406.6	206.5	26.1	.2	.5	8.4		9144
PCT	6.0	11.2	54.5	22.9	2.9	.4	.1	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-9	TOTAL	MEAN CLOUD COVER
N	1.1	1.4	2.2	1.7	6.7	
NE	.4	.4	1.5	.9	5.7	
E	.4	1.1	1.4	2.4	5.9	
SE	1.2	2.7	4.1	2.4	5.4	
S	.4	1.6	2.4	1.2	4.1	
SW	1.5	1.7	2.8	1.0	4.7	
W	4.2	7.4	6.4	3.4	4.2	
NW	4.9	5.0	6.7	1.1	4.4	
VAR	.0	.0	.0	.0	.0	
CALM	2.4	2.1	2.8	.9	4.2	
TOT OBS	15.49	14.7	25.87	11.44	1945	4.7
TOT PCT	22.1	23.7	37.0	17.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM 24/6)
AND OCCURRENCE OF "A" C/A BY WIND DIRECTION

	700	150	300	600	1000	2000	3000	5000	6500	8000+	ANY	CS/A	TOTAL
	149	249	599	999	1999	3999	4999	5999	7999				OBS
N	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.2
NE	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.1
E	.2	.1	.1	1.0	1.3	.5	.7	.1	.1	.1	.1	.1	4.3
SE	.2	.1	.2	.5	1.6	.6	.2	.1	.1	.1	.1	.1	6.2
S	.1	.1	.2	.4	.6	.3	.1	.1	.1	.1	.1	.1	4.1
SW	.2	.1	.2	.5	.7	.2	.1	.1	.1	.1	.1	.1	4.1
W	.2	.1	.4	1.5	2.6	1.5	.4	.1	.1	.1	.1	.1	11.6
NW	.1	.1	.3	1.2	2.1	1.4	.5	.1	.1	.1	.1	.1	17.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.1	.4	.6	.3	.1	.1	.1	.1	.1	.1	.1	6.6
TOT OBS	54	24	131	440	732	368	176	39	25	22	4994	6994	
TOT PCT	.8	.4	1.9	6.4	10.4	4.3	1.4	.6	.4	.3	71.4	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF "A" TRANSCUS OCCURRENCE
OF CEILING HEIGHT (AM 24/6) AND "A" (AM 24/6)

CEILING (FEET)	WIND DIR							
	N	NE	E	SE	S	SW	W	NW
>10	.7	.7	.7	.7	.7	.7	.7	.7
>20	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>30	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
>40	7.4	8.2	8.3	8.3	8.3	8.3	8.3	8.3
>50	15.6	16.3	16.6	16.7	16.7	16.7	16.7	16.7
>60	20.7	24.7	25.2	25.4	25.4	25.5	25.5	25.5
>70	21.6	26.3	26.4	27.4	27.2	27.3	27.3	27.3
>80	21.9	26.6	27.3	27.5	27.5	27.6	27.7	27.7
>90	22.0	27.0	27.4	28.1	28.2	28.3	28.4	28.4
TOTAL	15.42	19.35	19.92	20.19	20.24	20.33	20.40	20.43

TOTAL NUMBER OF OBS. 7177

PCT FREQ AM CS/A. 71.5

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	10	TOTAL
	0.4	14.4	15.9	15.4	17.4	7.3	6.7	4.4	8.2	.5		76.3

AREA 0000 MANZANILLA SE
17.00 102.95

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRE-IPITATION WITH VARIOUS VALUES OF VISIBILITY[illegible]

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

Y5RY (N°)	SPC K15	%	E	E	SE	S	%	%	%	YAF	CALW	PCT	TOTA (N°)
1/2	0-3	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	4-10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	11-21	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
1/2<1	0-3	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	4-10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	11-21	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
1<2	0-3	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	4-10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	11-21	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
2<5	0-3	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	4-10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	11-21	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
5<10	0-3	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	4-10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	11-21	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
10+	0-3	1.3	1.4	1.4	1.4	1.4	1.3	2.6	2.2	.10	7.3	17.4	17.4
	4-10	3.5	2.1	3.5	4.3	3.5	4.5	15.8	12.6	.10	7.3	17.4	17.4
	11-21	1.5	1.6	1.6	2.6	1.6	1.1	7.1	5.7	.10	7.3	17.4	17.4
	22+	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
	TOT 1	5.1	2.9	6.3	8.7	5.2	6.4	25.7	20.7	.10	7.3	17.4	17.4
TOT OPS													
TOT PCT		5.7	3.5	8.2	10.6	6.1	7.2	28.1	22.7	.10	7.3	17.4	17.4

JUNF

PERIOD: (PRIMARY) 1951-1976
(OVER-ALL) 1971-1979AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH $\geq 4/8$) AND
OCCURRENCE OF NH $\leq 5/8$ BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	4000	6500	8000+	TOTAL	NH $\leq 5/8$ ANY HGT	TOTAL OBS
00003	.5	.6	1.3	5.0	8.2	4.2	1.6	.5	.5	.5	22.9	77.1	1959
06009	.9	.2	2.0	7.8	11.1	5.0	2.0	.3	.1	.3	29.7	70.3	1724
12015	1.2	.4	2.7	8.3	11.7	5.9	1.5	.4	.4	.5	33.1	66.9	1786
18021	.5	.2	1.3	5.4	9.0	5.0	1.7	.8	.2	.2	24.4	75.6	2031
TOT	.7	.7	1.3	4.9	7.4	3.7	1.2	.4	.2	.2	20.4	79.6	7500
PCT	.8	.4	1.8	6.5	9.9	5.0	1.7	.5	.3	.4	27.3	72.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	$\leq 1/2$	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.4	.0	.4	.9	6.7	91.6	2287
06009	.7	.2	.5	1.5	10.4	87.1	2161
12015	.5	.1	.5	2.3	12.5	84.1	2216
18021	.5	.2	.4	1.2	7.6	90.1	2490
TOT	.5	.1	.4	1.3	8.4	88.6	9154
PCT	.4	.2	.4	1.5	9.2	88.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH $\geq 4/8$) BY HOUR

HOUR (GMT)	≤ 150 ≤ 5000	≤ 600 ≤ 1	≤ 1000 ≤ 2	$\leq 1000+$ AND 5+	NH $\leq 5/8$ AND 5+	TOTAL OBS
00003	.5	2.6	7.9	16.2	76.0	1869
06009	.9	3.3	12.0	19.4	68.6	1638
12015	1.3	4.5	14.0	20.5	65.6	1720
18021	.6	2.2	8.1	17.4	74.5	1950
TOT	.7	2.2	7.4	13.2	51.2	7177
PCT	.8	3.1	10.3	18.3	71.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	10	.1
90/94	.0	.0	.0	.1	1.3	.5	.1	.1	155	2.1
85/89	.0	.0	.0	.2	4.0	12.0	3.2	.7	1455	20.2
80/84	.0	.0	.0	.1	4.2	25.0	27.8	4.5	4459	61.8
75/79	.0	.0	.0	.0	.3	2.9	6.6	5.2	1083	15.0
70/74	.0	.0	.0	.0	.0	.0	.2	.4	43	.6
65/69	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
TOTAL	.0	.0	.0	.4	42	71	291	273	801	7210
PCT	.0	.0	.1	.6	10.3	40.4	37.9	11.1	100.0	

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.1	.2	.1	.2	.7	.4	.0	.2
85/89	1.1	.7	1.2	2.2	1.5	1.9	6.1	3.7	.0	1.8
80/84	3.7	2.1	4.8	6.5	3.4	4.1	17.4	13.9	.0	5.5
75/79	1.0	.6	1.6	1.2	.8	.9	3.5	4.3	.0	1.0
70/74	.1	.0	.1	.1	.0	.0	.1	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.0	3.5	7.9	10.3	5.9	7.2	28.4	22.4	.0	8.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	90%	50%	10%	MIN	MEAN	TOTAL OBS
00003	97	91	84	78	75	87.5	2329
06009	90	86	81	77	75	81.3	214
12015	93	86	84	81	76	85.5	224
18021	97	92	86	84	78	87.5	2
TOT	97	91	84	82	77	83.3	4

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.7	14.1	49.6	29.3	6.3	77	1869
06009	.0	.1	4.2	34.6	47.7	13.4	82	1791
12015	.0	.2	3.7	27.9	50.1	18.0	83	1768
18021	.0	1.4	16.6	48.7	25.5	7.7	76	1964
TOT	.0	.4	7.3	30.7	27.5	8.3	79	7412

JUNE

PERIOD: (PDI-ARY) 1953-1979
(OVER-ALL) 1871-1979

TABLE 17

AREA 0006 PANZANILLO SE
17.6N 102.9WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	<1	64	69	73	77	81	85	89	>92	TOT	% FOG	%C FOG
	64	68	72	76	80	84	88	92				
17/19	.0	.0	.0	.0	.0	*	.6	*	*	4	.7	*
18/16	.0	.0	.0	.0	.0	*	*	*	*	5	.0	.1
11/13	.0	*	.0	.0	.0	.1	.1	*	*	16	.0	.2
9/10	.0	.0	.0	*	.0	.1	.2	.2	.1	42	.0	.5
7/8	.0	.0	.0	.0	*	.2	.3	.7	.1	73	.0	.9
6	.0	.0	.0	*	.0	.2	.4	.4	.1	44	.0	1.0
5	.0	.0	.0	.0	.1	.3	.9	.4	*	155	.7	1.9
4	.0	.0	.0	.0	.2	.7	1.2	.5	.0	214	.0	2.6
3	.0	.0	.0	.0	.2	.7	1.8	.7	.1	250	.0	3.1
2	.0	.0	.0	*	.3	2.4	3.1	.2	*	454	.0	6.1
1	.0	.0	.0	.1	.5	7.0	2.8	.2	.0	522	.7	6.4
0	.0	.0	.0	.1	1.3	4.1	3.5	.1	*	1079	.0	13.2
-1	.0	.0	.0	.1	1.4	8.2	2.2	*	.0	940	.0	12.1
-2	*	.0	.0	.1	3.0	11.3	1.1	.0	*	1254	.0	15.5
-3	.0	.0	.0	.2	3.1	6.7	.5	.0	.0	653	*	10.6
-4	.0	.0	.0	.1	3.7	5.5	.2	.0	.0	773	.0	9.6
-5	.0	*	.0	.2	3.1	3.0	.1	.0	.0	521	.0	6.4
-6	.0	.0	.0	.4	2.3	1.4	*	.0	.0	314	.7	4.1
-7/-8	.0	.0	.0	.8	2.1	.8	*	.0	.0	267	.0	3.7
-9/-10	.0	.0	*	.5	.6	.7	.0	.0	.0	99	.7	1.2
-11/-13	.0	*	.1	.2	.1	*	.0	.0	.0	34	.0	.5
-14/-16	.0	*	*	.0	.0	.0	.0	.0	.0	5	.0	.1
-17/-19	.0	*	*	.0	.0	.0	.0	.0	.0	4	.0	.1
TOTAL	1	6	15	236	1501	4276	731	37		8094	1	8093
PCT	*	.1	.2	2.9	22.3	52.8	14.4	2.9	.5	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	1.4	.1	.0	.0	.0	.0	.0	1.2
1-2	.4	2.0	.1	.0	.0	.0	2.5	*	.5	.2	.0	.0	.0	1.1
3-4	.1	1.0	.5	.0	.0	.0	1.6	.1	.5	.2	.0	.0	.0	.7
5-6	.0	.2	.2	.0	.0	.0	.5	.0	.0	*	.0	.0	.0	*
7	.0	.1	.0	*	.0	.0	.1	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	4.3	.0	*	.0	.0	6.4	.2	2.4	.4	*	*	.0	3.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	.1	.0	.0	.0	1.3	.2	.7	.0	.0	.0	.0	.9
1-2	.0	2.1	.3	.0	.0	.0	2.4	.1	2.1	.5	.0	.0	.0	2.7
3-4	*	.5	.8	.1	.0	.0	1.4	.1	.9	1.0	.1	.0	.0	2.1
5-6	.0	.2	.4	.1	.0	.0	.6	.3	.4	.2	.0	.0	.0	.4
7	.0	.0	.1	.3	.0	.0	.4	.0	.1	.1	.3	.0	.0	.5
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.3	.1	.0	.0	.5
10-11	.0	.0	.0	.1	.1	.0	.2	.0	.0	.1	.1	.2	.0	.4
12	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.1	.0	.1	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.7	1.8	.6	.3	.1	6.8	.4	4.1	2.4	.9	.2	.0	8.0

ACFA 0006 MANZANILLO SE
17-66 102-8M

TABLE 1A (CONT.)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	3.1	*	.0	.0	.0	
1-2	.9	9.6	2.6	.0	.0	13.1	
3-4	.1	4.8	4.6	.0	.1	9.6	
5-6	.1	1.2	2.4	.2	.0	3.2	
7	.0	.2	.5	.0	.0	.7	
8-9	.0	.0	.1	*	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	
13-16	.3	.0	.0	.0	* ^a	.	
17-19	.0	.0	.0	.0	.6	.7	
20-22	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	
33-40	.7	.0	.0	.0	.0	.0	
41-48	.0	.7	.0	.0	.0	.0	
49-50	.0	.0	.0	.0	.0	.0	
51-70	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	16.7	9.8	.2	.1	30.6	

HGT	Q-3	4-10	11-21	22-33	34-47	48+	PCT	TCT
								CRS
51	12.7	11.6	.4	.0	.4	.0	24.7	
1-2	2.4	10.1	6.2	.0	.0	.0	36.3	
3-4	.8	12.5	5.4	.4	.1	.0	23.7	
5-6	.0	2.4	4.4	.5	.0	.0	7.4	
7	.0	.3	1.0	.8	.0	.0	2.2	
8-9	.0	.1	.4	.2	.1	.0	.8	
10-11	.6	.0	.1	.1	.1	.0	.7	
12	.4	.0	.0	.0	.0	.2	.2	
13-14	.0	.0	.0	.0	.2	.0	.2	
17-19	.0	.0	.0	.1	.1	.0	.1	
20-27	.0	.0	.0	.0	.0	.1	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-44	.0	.0	.0	.0	.0	.0	.0	
45-50	.0	.0	.0	.0	.0	.0	.0	
61-77	.0	.0	.0	.0	.0	.0	.0	
71-88	.0	.0	.0	.0	.0	.0	.0	
89+	.0	.0	.0	.0	.0	.0	.0	
TCT PCT	16.5	57.0	23.2	7.4	.7	.2	100.0	100%

222

TABLE 16

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAV. PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-80	R=	TOTAL	MFL %	
C-1	5.5	16.2	16.4	5.8	1.7	.7	.3	.	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1005	1.0	
6-7	1	2.6	7.1	6.6	2.6	.1	.6	.2	.2	.1	.	.	.	.	.	.	.	.	.	+0	1371	5
8-9	.	1.1	2.4	3.0	2.1	1.0	.5	.2	.4	.1	.	.	.	.	.	.	.	.	.	+0	702	3
10-11	.0	.	1.6	1.3	.9	.5	.3	.1	.1	.	.1	.	.	.	.	.	.	.	.	+0	321	4
12-13	.0	.0	.7	.5	.1	.2	.2	.1	.1	.	.	.	.	.	.	.	.	.	.	+0	155	3
14-15	.0	.	.0	.4	.2	.1	.1	.0	.	.	.	.	.	.	.	.	.	.	.	+0	57	1
16-17	6.1	1.6	2.4	1.3	.6	.3	.1	.	.	.	.	.	.	.	.	.	.	.	.	+0	405	4
18-19	7.5	1.8	1.0	1.2	1.1	2.1	.5	.3	.2	.8	.2	.	.	.	.	.	.	.	.	+0	843	1
D-1	11.4	14.2	10.2	18.9	9.8	2.0	2.1	.5	.6	.5	.7	.	.	.	.	.	.	.	.	+0	1020	1

PERIOD: 1954-1974
(OVERALL) 1961-1974

JULY

AIR CODE: 72222222
17 JAN 1974

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER									
	RAIN	RAIN SHAR	DRZL	FRZL	SNOW	OTHER	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND
N	3.0	1.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	4.3	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	7.1	3.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	6.4	3.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	7.1	1.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	4.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VAP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	40.0	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	40.0	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER									
	RAIN	RAIN SHAR	DRZL	FRZL	SNOW	OTHER	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND
1954-5	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954-6	4.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961-5	6.0	2.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961-2	3.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	40.0	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	40.0	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 3

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION BY SPEED AND DIRECTION

WIND DIR	WIND SPEED (KNOTS)						WIND DIRECTION									
	0-6	7-16	17-27	28-40	41-50	51-60	0-6	7-16	17-27	28-40	41-50	51-60	0-6	7-16	17-27	28-40
N	1.8	4.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	1.7	4.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.7	6.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.5	7.4	4.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.2	4.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	1.1	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	7.4	12.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	2.5	11.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VAP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	2002	5127	1745	20	0.0	11	9333	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	20.1	54.9	19.1	0.0	0.0	0.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)						WIND DIRECTION									
	0-6	7-16	17-27	28-40	41-50	51-60	0-6	7-16	17-27	28-40	41-50	51-60	0-6	7-16	17-27	28-40
N	4.4	2.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	3.7	2.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	4.5	3.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	5.0	6.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	3.2	2.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	6.0	9.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	7.9	4.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VAP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	48.33	19.1	4.1	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OBS	48.33	19.1	4.1	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

P(DIOU: (14,425) 1954-1979
 (14,425) 1981-1985

ADP 0006 MARZAGILLO SE
17.04 102.90

MCQ	CAL	1-3	4-10	11-21	22-31	32-47	48-	FEQ	PCF	TCAL
				1-21	22-31	32-47		FEQ	FEQ	945
JUNE	6.5	10.0	56.4	22.7	3.3	1.0	.1	5.4	100.0	1382
2015	9.9	11.4	55.2	19.5	3.3	.4	.2	4.2	100.0	2015
17615	10.4	13.7	56.9	17.1	2.6	.7	.4	7.6	100.0	2510
1-4-72	11.2	15.7	53.3	17.2	2.6	.7	.4	7.6	100.0	2510
101	6.71	11.91	57.95	26.05	2.61	.71	.41	7.61	100.0	2510
OC	7.3	12.6	56.91	19.1	3.1	.7	.1	6.0	100.0	2510

704

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) BY 20' IN
100' OCCUPANCE OF AN 8'0" WINE SECTION

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	
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CUMULATIVE PC* FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (44-24/2) AND 650Y (44)

		5547 (49%)								
LEADING	1 CR	2 CR	3 CR	4 CR	5 CR	6 CR	7 CR	8 CR	9 CR	
EFFICI	300	35	32	30	31	31/2	31/4	35/20	30	
1 CR 3500	7	1.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	
2 CR 3500	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
3 CR 3500	3.2	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
4 CR 3500	7.3	8.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
5 CR 3500	16.5	18.8	19.4	19.4	19.4	19.4	19.4	19.4	19.4	
6 CR 3500	21.3	25.3	26.2	26.3	26.4	26.4	26.4	26.4	26.5	
7 CR 3500	26.3	26.4	27.6	28.2	28.2	28.2	28.3	28.3	28.3	
8 CR 3500	22.5	23.2	24.6	25.4	25.6	25.6	25.6	25.6	25.6	
9 CR 3500	27.6	27.6	29.2	29.2	29.4	29.4	29.4	29.4	29.7	
TOTAL	16.5	20.3	21.3	21.5	21.6	21.6	21.7	21.7	21.7	

401 6010 44 64/9: 70.3

PERCENTAGE AREA OF LOW CLOUDS (FICLWMS)

	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528
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PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1901-1979

JULY

AREA 0006 SAN ANTONIO SE
17 0N 102.4W

TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISIB (M)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	.1	.1	0	0	0	0	.7	.1	.1	
	NO PCP	.0	.0	.0	.0	.0	0	0	.7	.7	.0	0	
	TOT 1	.0	0	.1	.1	0	0	0	0	.7	.1	.1	
1/2-1	PCP	0	0	0	0	0	.0	0	0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	0	.7	.7	.0	0	
	TOT 1	0	0	0	0	0	.0	0	0	.0	.0	.1	
1-2	PCP	0	0	.1	.1	.1	0	0	0	0	0	.1	
	NO PCP	0	0	0	0	0	0	0	0	.0	.0	.1	
	TOT 1	0	0	.1	.1	.1	0	0	0	0	0	.1	
2-5	PCP	.1	0	.3	.3	0	.1	.1	.1	0	0	1.1	
	NO PCP	0	0	.2	.2	0	.1	.1	.1	.7	0	.7	
	TOT 1	.1	.1	.5	.5	.1	.1	.2	.2	.7	.1	1.8	
5-10	PCP	.2	.2	.6	.8	.4	.2	.2	.2	.0	0	2.4	
	NO PCP	.4	.4	1.0	1.4	.5	.2	.3	1.1	.0	.3	6.7	
	TOT 1	.6	.6	1.6	2.2	.9	.4	.5	1.3	.0	.3	9.1	
10+	PCP	.2	.2	.6	.8	.2	.1	.3	.7	.0	.1	2.4	
	NO PCP	6.5	6.1	6.5	11.8	6.2	6.4	16.9	15.4	.0	1.6	65.7	
	TOT 1	6.7	6.3	7.1	12.6	6.4	6.5	17.2	16.1	.0	1.7	68.1	
TOT OBS													
TOT PCT													
		7.4	5.9	12.5	15.2	7.5	6.2	16.6	17.4	.0	9.1	100.0	9233

TABLE B

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISIB (M)	SPEED KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	0	0	0	.0	0	.1	0	.0	.0	.1	
	11-21	.0	0	0	0	.0	0	.0	0	.0	.0	.1	
	22+	.0	.0	0	0	0	.0	.0	0	.0	.0	.1	
	TOT 1	.0	0	.1	.1	0	0	.1	.1	.0	.0	.3	
1/2-1	0-3	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	0	
	4-10	0	0	.0	.0	.0	0	0	0	.0	.0	.1	
	11-21	0	0	.0	0	.0	0	0	0	.0	.0	0	
	22+	.0	.0	.0	0	0	.0	.0	.0	.0	.0	0	
	TOT 1	0	0	0	0	0	.0	0	0	.0	.0	.1	
1-2	0-3	.0	0	0	.0	.0	0	0	.0	.0	0	0	
	4-10	.0	.0	0	.1	0	0	0	0	.0	.0	.1	
	11-21	0	0	.1	.1	0	0	0	0	.0	.0	.3	
	22+	.0	.0	0	0	.0	0	.0	.0	.0	.0	.1	
	TOT 1	0	0	.2	.2	.1	.1	0	.1	.0	0	.6	
2-5	0-3	0	0	0	0	.0	0	0	0	.0	.1	.2	
	4-10	.1	0	.1	.2	0	.1	.1	.1	.0	.7	.7	
	11-21	0	0	.2	.2	.1	0	.1	.2	.0	.6	.6	
	22+	0	0	.2	.2	0	0	0	0	.0	.6	.6	
	TOT 1	.1	.1	.5	.6	.1	.2	.3	.3	.0	1.1	2.3	
5-10	0-3	.1	.1	.1	.1	.1	0	.1	.1	.0	.3	1.0	
	4-10	.4	.3	.6	.6	.4	.3	.7	.6	.0	.5	4.0	
	11-21	.1	.1	.6	.5	.2	.1	.2	.3	.0	.5	2.5	
	22+	.0	0	.5	.7	.1	.0	0	0	.0	.3	1.6	
	TOT 1	.6	.5	1.7	2.1	.8	.4	1.1	1.3	.0	.3	9.4	
10+	0-3	1.7	1.1	1.2	1.1	1.1	1.0	2.3	2.4	.0	6.6	20.7	
	4-10	4.3	3.7	6.0	6.5	4.1	3.9	11.2	10.4	.0	50.1	50.1	
	11-21	.6	.5	2.4	3.8	1.1	.6	3.4	3.0	.0	15.4	15.4	
	22+	0	0	.5	.6	.1	0	.2	.1	.0	1.8	1.8	
	TOT 1	6.6	5.3	10.1	12.3	6.4	5.5	17.0	15.8	.0	84.8	87.8	
TOT OBS													
TOT PCT													
		7.4	6.0	12.5	15.1	7.4	6.2	16.5	17.5	.0	9.2	100.0	9233

JULY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1901-1979AREA CODE PANAMA ILL. SE
17.6N 122.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIFF	65 48	69 72	73 76	77 80	81 84	85 88	89 92	952	101	% FOG	% FOG
14/15	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.1	16	.0	.2
9/10	.0	.0	.0	.0	.0	.1	.1	.1	32	.0	.4
7/8	.0	.0	.0	.0	.1	.2	.4	.1	78	.0	1.0
6	.0	.0	.0	.0	.1	.2	.5	.0	65	.0	.8
5	.0	.0	.0	.0	.2	.6	.9	.1	154	.0	1.9
4	.0	.0	.0	.0	.4	1.5	.4	.0	225	.0	2.8
3	.0	.0	.0	.1	.4	1.7	.7	.0	237	.0	2.9
2	.0	.0	.0	.0	1.4	3.7	.5	.0	454	.0	5.6
1	.0	.0	.0	.1	2.0	3.9	.2	.0	504	.0	6.2
0	.0	.0	.0	.3	7.8	5.6	.1	.0	1136	.0	13.9
-1	.0	.0	.0	.5	8.3	4.0	.1	.0	1050	.0	12.8
-2	.0	.0	.0	1.0	11.7	1.8	.0	.0	1192	.0	14.5
-3	.0	.0	.0	1.3	8.7	1.0	.0	.0	920	.0	11.0
-4	.0	.0	.0	2.5	6.7	.3	.0	.0	785	.0	9.6
-5	.0	.0	.0	1.1	2.6	3.5	.4	.0	546	.0	6.7
-6	.0	.0	.0	2.4	1.2	.0	.0	.0	304	.0	3.7
-7/-8	.0	.0	.0	2.3	1.0	.0	.0	.0	321	.0	3.9
-9/-10	.0	.0	.0	.6	.1	.0	.0	.0	114	.0	1.4
-11/-13	.0	.0	.0	.4	.2	.0	.0	.0	52	.0	.6
-14/-15	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
TOTAL	2	9	176	1141	4554	2076	40	8194	7	4186	
PCT	.0	.1	2.1	13.9	53.6	25.2	4.4	100.0	.1	99.9	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.4	.0	.0	.0	.0	2.1	.9	1.2	.1	.0	.0	.0	2.2
1-2	.3	3.0	.3	.0	.0	.0	3.6	.4	2.0	.2	.0	.0	.0	2.7
3-4	.1	.6	.3	.1	.0	.0	1.1	.1	.5	.4	.0	.0	.0	.9
5-6	.0	.1	.3	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.1	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	5.2	1.2	.1	.0	.0	7.5	1.4	3.8	.4	.0	.0	.0	6.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	.0	.0	.0	.0	2.2	.7	1.4	.1	.0	.0	.0	2.1
1-2	.3	2.5	.8	.0	.0	.0	3.6	.4	3.3	.8	.0	.0	.0	4.5
3-4	.1	1.7	.9	.2	.0	.0	2.9	.1	1.1	1.4	.2	.0	.0	3.1
5-6	.0	.4	1.1	.3	.0	.0	1.8	.1	.4	1.4	.3	.0	.0	2.1
7	.0	.1	.5	.4	.0	.0	1.1	.0	.1	.5	.3	.1	.0	.9
8-9	.0	.0	.1	.1	.0	.0	.3	.0	.0	.3	.2	.1	.0	.6
10-11	.0	.0	.0	.2	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.1	.1	.1	.0	.2	.0	.0	.0	.1	.1	.0	.1
17-19	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.3	3.5	1.5	.2	.0	12.5	1.2	6.3	4.9	1.2	.2	.0	13.8

PERIOD: (OVER-ALL) 1963-1979

JULY

TABLE 18 (CONT)

AREA 0006 MANZANILLO SE
17-6N 102-9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.1	.0	.0	.0	.0	1.7	.6	1.3	.0	.0	.0	.0	1.9
1-2	.4	2.4	.4	.0	.0	.0	3.2	.2	3.0	.4	.0	.0	.0	3.6
3-4	.1	1.0	.4	.0	.0	.0	1.7	.0	1.1	.2	.0	.0	.0	1.3
5-6	.0	.3	.2	.0	.0	.0	.5	.0	.1	.2	.0	.0	.0	.4
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	9.9	1.3	.2	.0	.0	7.5	.8	5.6	1.0	.1	.0	.0	7.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	1.4	.1	.0	.0	.0	2.6	1.1	2.3	.1	.0	.0	.0	3.5	
1-2	.4	7.5	1.5	.0	.0	.0	9.4	.4	6.6	1.1	.0	.0	.0	8.7	
3-4	.1	2.2	1.4	.0	.0	.0	3.9	.1	2.4	2.0	.0	.0	.0	4.4	
5-6	.0	.5	.4	.0	.0	.0	1.5	.0	.4	.5	.1	.0	.0	1.0	
7	.0	.0	.2	.1	.0	.0	.3	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.1	.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	11.8	4.5	.3	.0	.0	18.5	2.1	11.7	3.9	.1	.0	.0	17.8	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.2	11.9	.4	.0	.0	.0	28.4	
1-2	4.1	29.8	5.5	.0	.0	.0	39.4	
3-4	.6	10.3	7.6	.4	.0	.0	18.4	
5-6	.1	2.2	4.7	.0	.1	.0	7.7	
7	.0	.2	1.5	1.1	.1	.0	2.9	
8-9	.0	.2	.7	.5	.1	.0	1.3	
10-11	.0	.0	.1	.3	.1	.0	.5	
12	.0	.0	.1	.1	.2	.1	.4	
13-16	.0	.0	.1	.2	.1	.0	.4	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	21.0	54.7	70.5	3.3	.5	.1	100.0	2000

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	6.0	15.9	14.2	5.0	1.9	.7	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2874	3
6-7	.2	2.9	7.6	6.8	3.1	1.3	.8	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1506	5
8-9	.0	.9	3.2	3.0	2.1	1.0	.6	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	753	6
10-11	.0	.7	1.3	1.1	1.1	.5	.3	.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	366	6
12-13	.0	.0	.8	.5	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	143	6
13	.0	.0	.0	.4	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	8
UNDET	6.6	1.5	1.6	1.2	.5	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	766	7
TOTAL	828	1412	1860	1165	606	262	152	66	77	33	8	7	2	2	0	0	0	0	0	0	6480	4
PCT	12.8	21.8	28.7	18.0	9.4	4.0	2.3	1.0	1.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AUGUST

AREA CODE: PANZAVILLO SE
17.74 102.94

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOG	OTHER FRZN PCPN	HALE	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FGS	FGS NO PCPN	SHOOF	SPRAY	NO	SIG	SEA
N	3.3	1.0	.4	.0	.0	.0	.2	5.0	1.4	4.2	.0	.0	.2	.2	PA.1		
NE	4.8	.8	1.7	.0	.0	.0	.0	7.4	2.0	6.7	.0	.0	.1	.0	PA.1		
E	7.2	3.0	1.9	.0	.0	.0	.0	12.0	5.3	8.6	.1	.0	.3	.1	75.8		
SE	6.5	3.7	1.2	.0	.0	.0	.0	11.1	4.6	4.9	.0	.0	.3	.1	76.5		
S	5.1	3.2	2.1	.0	.0	.0	.0	10.2	4.3	4.4	.0	.0	.6	.0	80.6		
SW	3.2	2.4	.9	.0	.0	.0	.0	7.0	2.0	6.7	.2	.0	.3	.0	84.6		
W	2.6	1.5	.7	.0	.0	.0	.0	4.7	1.2	7.0	.0	.0	.3	.1	87.0		
NW	2.6	1.1	.3	.0	.0	.0	.0	4.0	.8	7.4	.2	.0	.2	.1	87.9		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.6	1.1	.2	.0	.0	.1	.0	2.8	1.8	7.9	.0	.0	.7	.0	97.0		
TOT PCT	4.0	2.1	1.0	.0	.0	.1	.0	7.0	2.4	6.6	.1	.0	.3	.1	93.6		
TOT OBS:	4615																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOG	OTHER FRZN PCPN	HALE	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FGS	FGS NO PCPN	SHOOF	SPRAY	NO	SIG	SEA
0000	1.4	1.2	.5	.0	.0	.0	.0	3.4	1.5	1.2	.1	.0	.3	.7	93.3		
0600	3.6	2.5	1.2	.0	.0	.0	.0	7.1	2.8	14.4	.3	.0	.4	.1	75.6		
1200	6.2	3.2	1.5	.0	.0	.0	.0	12.6	3.4	12.4	.0	.0	.3	.1	71.7		
1800	3.0	1.5	.7	.0	.0	.0	.0	5.2	2.5	.5	.1	.0	.7	.1	81.5		
TOT PCT	4.1	2.1	1.0	.0	.0	.0	.0	7.0	2.4	6.6	.1	.0	.3	.1	93.5		
TOT OBS:	8029																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	1.4	4.4	.6	.0	.0	.0		6.4	6.4	2.3	5.8	4.4	4.1	10.4	5.7	7.3	4.2			
NE	1.0	3.3	.7	.1	.0	.0		5.1	7.1	1.5	2.2	4.0	7.1	9.2	5.5	6.4	7.6			
E	1.3	6.8	3.1	.6	.2	.0		12.0	10.2	6.2	7.7	9.7	6.2	15.4	17.6	18.2	14.6			
SE	1.5	6.2	5.3	1.2	.1	.0		16.3	10.9	16.9	15.0	15.1	16.0	12.7	20.5	14.1	22.2			
S	1.2	4.4	1.3	.2	.0	.0		7.2	8.3	10.4	9.5	7.0	17.7	4.6	4.7	5.4	4.1			
SW	1.1	4.1	.8	.1	.0	.0		6.0	7.1	11.6	8.6	5.1	11.8	2.9	5.6	3.9	5.0			
W	2.7	12.4	3.8	.1	.0	.0		19.1	7.4	29.8	26.1	21.7	20.9	12.4	14.2	12.4	15.7			
NW	2.5	10.8	3.8	.1	.0	.0		17.2	9.1	14.8	18.4	14.2	14.2	14.4	21.4	15.4	15.2			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	10.5							10.5	.0	6.0	4.3	12.5	4.0	11.1	5.4	12.4	2.9			
TOT OBS	2112	4979	1764	224	33	3	9124		7.7	2140	140	1946	133	1946	241	2104	179			
TOT PCT	23.2	54.6	19.3	2.5	.4	.1	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	4.1	2.1	.2	.0	.0				2.5	5.5	10.4	7.3	
NE	3.1	1.8	.2	.0	.0				5.3	7.1	1.5	3.8	9.0
E	4.4	5.7	1.2	.3	.1				12.0	10.2	6.3	9.6	15.5
SE	5.4	7.4	2.5	.4	.0				16.3	10.9	16.9	15.4	11.7
S	3.5	3.2	.4	.1	.0				7.2	8.3	10.4	7.3	4.6
SW	3.4	2.4	.1	.0	.0				6.0	7.1	11.6	8.6	5.1
W	8.9	4.5	.6	.1	.0				19.1	7.4	29.8	26.1	21.7
NW	7.8	4.7	.7	.0	.0				17.2	9.1	14.8	18.4	14.2
VAR	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0
CALM	10.5								10.5	.0	6.0	4.3	12.5
TOT OBS	4683	3783	540	92	13	9120			7.7	2140	140	1946	133
TOT PCT	51.3	41.5	6.0	1.0	.1	100.0			100.0	100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1920-1979AREA CODE: MANZANILLO SE
17.7A 102.9A

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OPS
		1-5	6-10	11-21	22-33	34-47	48+		
0000	6.0	11.8	56.9	22.2	2.7	.2	.2	8.5 100.0	2308
0600	12.1	11.1	54.7	19.4	2.3	.3	.1	7.7 100.0	2090
1200	12.2	12.2	54.7	16.1	2.5	.4	0	7.5 100.0	2227
1800	11.9	15.1	52.3	17.0	2.4	.6	.0	7.3 100.0	2486
TOT	960	1152	4979	1764	224	31	8	7.7	9120
PCT	10.5	12.6	54.6	19.3	2.4	.4	.1	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-6	TOTAL CLOUD OF 80	TOTAL CLOUD CPS	MEAN COVER
N	1.4	1.7	2.2	1.0		4.6	
NE	1.0	1.1	1.9	1.0		4.9	
E	1.6	2.5	4.5	3.5		5.5	
SE	1.8	3.0	7.2	4.2		5.9	
S	.9	1.6	3.1	1.7		5.4	
SW	.8	1.9	2.4	1.1		5.1	
W	4.4	5.5	7.3	2.3		4.5	
NW	4.3	4.5	5.0	1.9		4.3	
WSW	.7	.0	.0	.0		.0	
CALM	3.0	2.7	3.9	1.1		4.2	
TOT OPS	1355	1724	2485	1275	7039		
TOT PCT	14.2	24.5	26.1	13.1	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

MOD	150	300	600	1000	2000	3000	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL CPS
149	269	599	699	1999	3499	4999	6499	7999			
N	.1	0	.1	.4	.5	.2	.1	0	0	0	6.6
NE	.0	.1	.3	.5	.3	1	.0	0	0	0	3.6
E	.2	.1	.4	1.7	.6	.3	.1	0	0	0	7.2
SE	.3	.2	.5	1.8	2.1	.8	.4	.1	0	0	10.2
S	.1	0	.2	.4	.6	.4	.2	.1	0	0	6.0
SW	.1	0	.1	.5	.0	.2	0	0	0	0	4.2
W	.1	.1	.2	1.1	1.6	.6	.2	.1	.1	0	5.4
NW	.1	.1	.2	.7	1.4	.5	.2	.1	0	0	3.5
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.5	.4	.9	.1	0	0	0	8.5
TOT OPS	67	41	131	524	723	217	113	39	17	18	5080
TOT PCT	1.0	.6	1.0	7.4	10.3	3.1	1.6	.6	.2	.3	72.3

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND VISBY (NM)

CEILING (FEET)	VISBY (NM)							
	> 0R >10	> 0R >5	> 0R >2	> 0R >1	> 0R >1/2	> 0R >1/4	> 0R >5000	> 0R >2
> 0R >6500	.5	.5	.6	.6	.6	.6	.6	.6
> 0R >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
> 0R >3500	2.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
> 0R >2000	5.8	6.5	6.6	6.6	6.6	6.6	6.6	6.6
> 0R >1000	16.0	16.4	16.9	16.9	16.9	16.9	16.9	16.9
> 0R >500	16.7	23.5	24.1	24.3	24.3	24.3	24.3	24.3
> 0R >250	26.3	25.2	25.9	26.1	26.1	26.1	26.2	26.2
> 0R >150	25.5	25.6	26.3	26.6	26.6	26.7	26.7	26.7
> 0R >0	20.7	26.1	27.1	27.4	27.4	27.5	27.6	27.7
TOTAL	1508	1901	1960	1992	1996	2002	2006	2011

TOTAL NUMBER OF OPS: 7232

PCT FREQ NM <5/8: 72.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	TOTAL OPS
	6.1	17.1	21.6	16.1	11.1	6.7	6.9	5.3	8.4	.6	7702

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AUGUST

AREA 0006 MANZANILLO SE
17.7N 102.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	.1	*	.0	*	.0	.0	.0	.2	
	NO PCP	*	*	.0	*	.0	.0	*	*	.0	.0	.1	
	TOT %	*	*	*	.1	*	.0	*	*	.0	.0	.3	
1/2<1	PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	*	.0	*	*	.0	.0	*	
	TOT %	*	*	*	.0	*	.0	*	*	.0	*	.1	
1<2	PCP	*	*	.1	.1	*	.0	*	*	.0	*	.3	
	NO PCP	.0	.0	.0	*	*	.0	*	*	.0	.0	.1	
	TOT %	*	*	.1	.1	*	.0	*	*	.0	*	.4	
2<5	PCP	*	*	.3	.2	.1	.1	.1	.1	.0	*	.9	
	NO PCP	*	*	.1	.1	*	*	*	.1	.0	*	.5	
	TOT %	*	*	.3	.4	.1	.1	.1	.1	.0	.1	1.3	
5<10	PCP	.1	.2	.6	.9	.3	.2	.4	.3	.0	.1	3.1	
	NO PCP	.3	.2	.9	1.3	.5	.4	.9	.9	.0	.3	5.4	
	TOT %	.4	.4	1.5	2.2	.8	.7	1.3	1.2	.0	.4	8.6	
10+	PCP	.2	.2	.4	.5	.3	.1	.4	.3	.0	.1	2.5	
	NO PCP	5.7	4.5	9.5	13.0	6.0	5.2	17.4	15.6	.0	9.5	86.6	
	TOT %	5.9	4.6	9.9	13.6	6.3	5.4	17.8	15.9	.0	9.7	89.1	
TOT OBS													
TOT PCT													
8602													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	*	*	.0	.0	.1	*	.0	.0	.2	
	11-21	.0	.0	*	.1	*	.0	.0	.0	.0	.0	.1	
	22+	.0	*	*	*	*	.0	*	.0	.0	.0	.1	
	TOT %	*	*	*	.1	*	.0	.1	*	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	*	*	.0	.0	.0	*	.0	.0	.0	*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	*	*	*	.0	*	.0	*	.0	.0	.0	.1	
	TOT %	*	*	*	.0	*	.0	*	.0	.0	*	.1	
1<2	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	*	*	
	4-10	.0	.0	*	*	*	*	*	*	.0	.0	.1	
	11-21	.0	*	*	.1	*	.0	*	*	.0	.0	.2	
	22+	*	*	.1	.1	.0	.0	*	.0	.0	.0	.2	
	TOT %	*	*	.1	.2	.1	*	.1	.1	.0	*	.5	
2<5	0-3	*	*	*	*	.0	.0	*	*	.0	.1	.2	
	4-10	.1	*	.1	.1	.1	*	.1	.1	.0	.0	.6	
	11-21	*	*	.1	.2	*	.1	*	*	.0	.0	.5	
	22+	.0	*	.1	.1	*	.0	.0	*	.0	.0	.3	
	TOT %	.1	.1	.4	.4	.1	.1	.1	.1	.0	.1	1.6	
5<10	0-3	*	*	.1	.1	.1	.1	.2	.1	.0	.4	1.0	
	4-10	.2	.2	.5	.7	.4	.3	.7	.6	.0	.3	3.9	
	11-21	.1	.1	.7	.9	.3	.2	.7	.4	.0	.3	3.0	
	22+	*	*	.3	.4	*	*	.1	*	.0	.0	.9	
	TOT %	.4	.4	1.6	2.2	.8	.6	1.3	1.2	.0	.4	8.8	
10+	0-3	1.3	.9	1.2	1.4	1.1	1.0	2.5	2.3	.0	9.8	21.6	
	4-10	4.0	3.1	6.1	7.3	3.9	3.7	11.6	10.2	.0		49.9	
	11-21	.5	.5	2.3	4.1	1.0	.5	3.5	3.4	.0		15.8	
	22+	*	*	.3	.7	.2	*	.1	.1	.0		1.4	
	TOT %	5.9	4.6	9.9	13.5	6.2	5.3	17.7	16.0	.0		98.7	
TOT OBS													
TOT PCT													
8972													

AUGUST

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979AREA 0006 MANZANILLO SE
17.7N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.6	.5	.8	5.5	9.2	3.9	1.6	.5	.3	.5	23.0	77.0	1978
06009	1.1	.5	1.9	6.8	11.2	3.6	1.4	.5	.1	.4	27.3	72.7	1686
12015	1.2	.7	3.1	11.0	11.2	4.1	1.6	.5	.1	.2	33.8	66.2	1764
18021	.7	.5	1.6	5.9	8.5	3.6	1.6	.7	.4	.2	23.6	76.4	2118
TOT	67	41	135	543	748	286	116	40	18	22	2016	5550	7566
PCT	.9	.5	1.6	7.2	9.9	3.8	1.5	.5	.2	.3	26.6	73.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.1	.2	.7	5.7	93.2	2291
06009	.3	.2	.6	1.8	9.4	87.7	2131
12015	.5	.4	1.0	2.4	13.7	82.3	2233
18021	.5	.1	.4	1.3	6.6	91.2	2514
TOT	33	10	49	141	801	8135	9169
PCT	.4	.1	.5	1.5	8.7	88.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.6	1.9	7.9	16.0	76.1	1924
06009	1.1	3.8	11.8	17.3	71.0	1615
12015	1.3	5.4	17.7	17.7	64.5	1698
18021	.7	2.9	9.7	15.0	75.2	2035
TOT	67	249	841	1194	5237	7272
PCT	.9	3.4	11.6	16.4	72.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.1	.1	.0	.0	19	.3
90/94	.0	.0	.0	.3	1.8	1.2	.3	.1	262	3.7
85/89	.0	.0	.0	.4	5.8	19.0	6.4	1.1	2317	32.5
80/84	.0	.0	.0	.2	2.6	21.7	27.3	4.1	3981	55.8
75/79	.0	.0	.0	.0	.0	3.3	3.7	.5	538	7.5
70/74	.0	.0	.0	.0	.0	.0	.1	.2	16	.2
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	1	5	65	732	3029	2655	647	7134	100.0
PCT	.0	.0	.1	.9	10.3	42.5	37.2	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.1	.0	.0	.0	.1	.0	.1
.2	.2	.4	.5	.2	.2	.8	.8	.0	.4
1.6	1.0	2.8	4.2	2.1	2.3	8.4	6.6	.0	3.4
4.0	3.3	7.4	9.6	4.1	3.0	9.0	9.1	.0	6.3
.5	.5	1.6	1.9	.9	.4	.8	.6	.0	.3
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6.3	5.0	12.3	16.3	7.2	6.0	19.2	17.2	.0	10.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	99	92	90	85	80	77	68	84.9	2353
06009	97	88	85	83	78	75	72	82.7	2161
12015	90	86	85	82	77	75	69	81.6	2294
18021	99	93	90	85	79	76	68	85.0	2551
TOT	99	92	89	84	78	75	68	83.6	9359

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.2	.9	14.4	51.7	26.9	5.7	77	1873
06009	.0	.5	3.7	39.4	46.4	10.0	81	1753
12015	.0	.1	2.9	27.9	53.7	15.4	83	1755
18021	.0	2.3	17.7	49.5	24.4	6.1	76	2011
TOT	0	72	750	3146	2750	674	79	7392

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AUGUST

AREA 0006 PANZANILLO SE
17.7N 102.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.1	14	.0	.2
9/10	.0	.0	.0	.0	.1	.1	.2	.1	33	.0	.4
7/8	.0	.0	.0	.0	.1	.3	.4	.2	72	.0	.9
6	.0	.0	.0	.0	.0	.2	.5	.1	63	.0	.8
5	.0	.0	.0	.0	.0	.2	.6	.1	176	.0	1.6
4	.0	.0	.0	.0	.3	1.0	1.0	.0	190	.0	2.4
3	.0	.0	.0	.0	.2	1.6	1.1	.0	226	.0	2.9
2	.0	.0	.0	.1	1.3	3.3	.7	.0	434	.0	5.4
1	.0	.0	.0	.0	2.4	4.6	.4	.0	516	.0	6.5
0	.0	.0	.0	.2	5.2	7.0	.2	.0	1000	.0	12.5
-1	.0	.0	.0	.3	6.9	4.9	.2	.0	976	.0	12.3
-2	.0	.0	.0	.7	10.3	3.0	.0	.0	1116	.0	14.0
-3	.0	.0	.0	1.1	8.3	1.7	.0	.0	889	.0	11.2
-4	.0	.0	.0	1.7	8.1	.6	.0	.0	832	.0	10.4
-5	.0	.0	.1	2.2	4.7	.3	.0	.0	584	.0	7.3
-6	.0	.0	.1	2.1	2.1	.1	.0	.0	348	.0	4.4
-7/-8	.0	.0	.4	2.7	1.4	.1	.0	.0	364	.0	4.6
-9/-10	.0	.0	.4	.8	.2	.0	.0	.0	112	.0	1.4
-11/-13	.0	.0	.1	.3	.1	.0	.0	.0	53	.0	.7
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	1	112	980	4056	2328	430	53	7666	100.0	.1	99.9
PCT	.0	.1	1.4	12.3	50.9	29.2	5.4	.7			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.3	.0	.0	.0	.0	1.8	.3	1.2	.0	.0	.0	.0	1.5
1-2	.4	2.4	.0	.0	.0	.0	2.9	.2	1.9	.3	.0	.0	.0	2.5
3-4	.0	.6	.2	.0	.0	.0	.8	.0	.5	.4	.0	.0	.0	.9
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.6	.3	.1	.0	.0	5.9	.5	3.7	.9	.0	.0	.0	5.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.9	.0	.0	.0	.0	1.5	.6	1.5	.0	.0	.0	.0	2.2
1-2	.5	3.8	1.1	.0	.0	.0	5.5	.4	3.7	1.4	.0	.0	.0	5.4
3-4	.0	1.5	1.7	.0	.0	.0	3.3	.2	2.4	2.8	.2	.0	.0	5.5
5-6	.0	.4	1.4	.1	.0	.0	1.9	.0	.4	1.7	.4	.0	.0	2.5
7	.0	.2	.4	.3	.0	.0	.8	.0	.1	.7	.5	.0	.0	1.3
8-9	.0	.0	.1	.2	.0	.0	.3	.0	.1	.2	.2	.0	.0	.5
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.2	.0	.0	.4
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.9	4.8	.8	.0	.0	13.7	1.2	6.1	7.1	1.6	.0	.0	18.1

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 0006 MANZANILLO SE
17.7N 102.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	1.0	.1	.0	.0	.0	.0	.0	.8
1-2	.3	2.6	.2	.0	.0	.0	3.2	.2	2.2	.2	.0	.0	.0	2.7
3-4	.0	1.3	.7	.0	.0	.0	2.0	.0	.7	.4	.0	.0	.0	1.1
5-6	.0	.5	.4	.1	.0	.0	1.0	.0	.2	.1	.0	.0	.0	.4
7	.0	.1	.4	.1	.0	.0	.6	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.2	1.8	.3	.0	.0	8.0	.4	3.8	1.0	.1	.0	.0	5.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.2	2.2	.0	.0	.0	.0	3.4	1.0	2.0	.0	.0	.0	.0	3.1	
1-2	.9	4.9	1.4	.0	.0	.0	7.1	.8	5.5	1.5	.7	.0	.0	7.8	
3-4	.2	3.2	1.8	.0	.0	.0	5.3	.1	2.2	1.8	.0	.0	.0	4.2	
5-6	.0	.4	.7	.1	.0	.0	1.1	.0	.2	.9	.1	.0	.0	1.2	
7	.0	.1	.4	.2	.0	.0	.8	.0	.0	.2	.0	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.3	10.8	4.3	.3	.0	.0	17.7	1.9	10.0	4.4	.2	.0	.0	16.6	90.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	15.2	10.3	.2	.0	.0	.0	25.7	
1-2	4.6	26.9	6.0	.0	.0	.0	27.5	
3-4	.6	12.1	9.5	.3	.0	.0	22.4	
5-6	.1	2.2	5.1	.8	.0	.0	8.3	
7	.0	.6	2.2	1.1	.1	.0	4.0	
8-9	.0	.1	.4	.5	.0	.0	1.0	
10-11	.0	.0	.2	.3	.0	.0	.6	
12	.0	.0	.0	.1	.0	.0	.2	
13-16	.0	.0	.1	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.5	52.2	73.7	5.3	.2	.0	100.0	2119

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.1	15.8	12.9	5.0	1.9	.7	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2782
6-7	.2	2.8	7.6	7.0	2.9	1.2	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1501
8-9	.0	1.1	3.4	3.4	2.6	1.2	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	834
10-11	.0	.5	1.3	1.1	.6	.6	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	302
12-13	.0	.0	.7	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	118
>13	.0	.0	.0	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58
INLET	7.2	1.5	1.7	1.3	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	823
TOTAL	871	1391	1774	1196	590	269	183	66	55	16	8	0	1	1	1	0	0	0	0	0	4422
PCT	13.6	21.7	27.6	16.6	9.2	4.2	2.8	1.0	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1985-1979AREA: 0006 PANZANILLO SE
17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHWR	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	6.1	2.8	.9	.0	.0	.0	.0	9.4	3.2	4.7	.0	.0	.4	.0	42.5
NE	8.0	3.8	2.9	.0	.0	.0	.0	14.4	5.3	4.9	.0	.0	.5	.0	75.0
E	10.1	4.7	1.7	.0	.0	.0	.0	16.3	7.3	3.7	.0	.0	.1	.1	72.6
SE	9.2	4.6	2.4	.0	.0	.0	.0	15.9	6.5	3.3	.1	.1	.1	.1	74.2
S	7.1	4.3	2.0	.0	.0	.0	.0	13.0	3.5	2.4	.0	.0	.0	.1	81.4
SW	7.1	3.5	2.9	.0	.0	.0	.0	13.2	5.7	3.2	.0	.0	.3	.0	77.6
W	4.4	2.0	1.1	.0	.0	.0	.0	7.4	4.4	5.1	.0	.0	.2	.0	83.5
NW	3.9	1.8	.6	.0	.0	.0	.0	5.3	2.9	5.7	.1	.0	.3	.1	84.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2	1.2	1.0	.0	.0	.0	.0	3.2	1.7	6.8	.1	.0	.4	.0	87.9
TOT PCT	6.2	3.1	1.6	.0	.0	.0	.0	10.7	4.4	4.5	.0	.0	.2	.0	90.2
TOT OBS:	8467														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHWR	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	4.4	2.2	1.4	.0	.0	.0	.0	8.0	3.0	1.1	.0	.0	.2	.0	87.9
08009	6.5	3.5	1.5	.0	.0	.0	.0	11.3	5.5	10.5	.0	.0	.2	.1	72.8
12015	9.3	4.3	1.9	.0	.0	.0	.0	15.2	6.7	7.9	.1	.0	.2	.0	70.7
18021	4.8	2.4	1.5	.0	.0	.0	.0	8.5	3.5	.4	.1	.0	.3	.0	87.1
TOT PCT	6.2	3.1	1.6	.0	.0	.0	.0	10.6	4.6	4.8	.1	.0	.2	.0	80.0
TOT OBS:	8711														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WHD DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47		00					03	06	09	12	15	18	21	
N	1.3	3.3	.9	.	.0	.	.	5.2	6.4	2.0	4.3	4.6	2.6	8.1	7.0	6.2	4.8		
NE	1.0	3.0	.6	.1	.	.	.	4.6	7.3	1.5	4.9	3.7	3.3	7.7	9.1	4.9	10.0		
E	1.3	6.0	3.6	1.0	.2	.	.	12.1	11.2	6.7	11.2	10.2	15.0	15.3	15.4	15.4	15.5		
SE	1.2	7.8	5.9	1.8	.2	.	.	16.8	12.2	18.0	20.7	15.3	19.5	13.1	16.0	19.4	22.1		
S	1.3	4.8	1.9	.3	.	.	.	8.3	9.0	13.2	10.6	8.2	6.9	4.6	6.7	7.0	9.2		
SW	1.0	4.5	1.5	.2	.	.	.	7.4	8.8	11.1	8.9	7.3	13.0	5.2	4.8	5.5	7.0		
W	2.4	11.8	5.5	.6	.	.	.	20.3	9.2	28.0	21.4	21.9	15.3	17.8	15.9	14.9			
NW	1.9	10.0	3.9	.2	.	.	.	16.1	8.6	15.1	14.0	18.0	11.6	19.2	17.8	15.2	4.8		
VAR	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	9.2							9.2	.0	6.4	4.2	10.6	6.3	11.1	5.4	10.4	3.6		
TOT OBS	1859	4640	2117	383	51	7	9057		8.7	2175	168	1974	127	1932	240	2275	165		
TOT PCT	20.5	51.2	23.4	4.2	.6	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	3.2	1.9	.1	.0	.0			5.2	6.4	2.2	4.5	8.0	6.1
NE	2.5	2.0	.2	.0	.0			4.6	7.3	1.7	3.7	7.9	5.3
E	4.2	5.5	2.0	.4	.0			12.1	11.2	7.0	10.5	15.3	15.4
SE	4.7	7.9	3.4	.8	.0			16.8	12.2	18.2	15.6	13.4	19.4
S	3.5	3.9	.8	.1	.0			8.3	9.0	13.0	8.1	4.9	7.2
SW	3.3	3.4	.5	.1	.0			7.4	8.8	10.9	7.7	5.2	5.6
W	8.1	10.3	1.6	.1	.0			20.3	9.2	27.5	21.9	15.6	16.1
NW	7.0	8.0	1.0	.1	.0			16.1	8.6	13.2	17.6	19.3	14.8
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	9.2							9.2	.0	6.2	10.4	10.5	4.9
TOT OBS	4135	3869	883	159	11	9057		8.7		2343	2101	2173	2446
TOT PCT	45.7	42.7	9.7	1.8	.1			100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1885-1979

APEA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	6.2	9.2	53.4	25.3	5.0	.8	.1	9.5	100.0	2343
0600	10.4	11.2	49.7	24.2	4.1	.4	.0	8.7	100.0	2101
1200	10.5	10.7	52.4	22.2	3.9	.3	.1	8.3	100.0	2173
1800	9.9	14.1	49.5	21.9	3.8	.8	.0	8.4	100.0	2440
TOT	834	1025	4640	2117	183	51	7	8.7		9057
PCT	9.2	11.3	51.2	23.4	4.2	.6	.1	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	1.0	1.4	1.9	1.0		4.8
NE	.7	1.2	1.5	1.1		5.1
E	1.2	2.3	4.5	3.6		5.7
SE	1.3	3.1	7.7	4.7		5.8
S	.9	1.9	3.7	2.2		5.6
SW	1.1	1.4	2.7	2.1		5.5
W	3.1	5.0	8.5	4.2		5.1
NW	3.2	4.2	5.7	2.6		4.7
VAR	.0	.7	.3	.0		.0
CALM	2.5	2.6	3.5	.9		4.2
TOT OBS	1020	1579	2709	1530	6837	5.2
TOT PCT	14.9	23.1	39.6	22.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	3.8	
NE	.1	.0	.1	.6	.6	.2	.1	.0	.0	.0	2.9	
E	.2	.2	.5	1.6	1.9	.4	.3	.1	.0	.0	6.4	
SE	.4	.2	.7	2.1	2.6	.9	.4	.1	.0	.0	9.2	
S	.2	.0	.2	1.1	1.0	.5	.2	.1	.0	.0	5.4	
SW	.2	.0	.2	.9	1.1	.4	.2	.1	.0	.0	4.1	
W	.3	.1	.4	2.1	2.4	1.1	.3	.2	.0	.0	13.9	
NW	.2	.1	.2	1.0	2.0	.7	.2	.1	.0	.0	11.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.1	.5	.7	.2	.2	.0	.0	.0	7.5	
TOT OBS	105	48	173	716	879	312	136	44	12	5	4407	6837
TOT PCT	1.5	.7	2.5	10.5	12.9	4.6	2.0	.6	.2	.1	64.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.2	.2	.2	.2	.2	.2	.2	.2
= OR >5000	.6	.9	.9	.9	.9	.9	.9	.9
= OR >3500	2.4	2.8	2.9	2.9	2.9	2.9	2.9	2.9
= OR >2000	6.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
= OR >1000	16.2	19.3	19.9	20.1	20.2	20.2	20.2	20.2
= OR >600	23.0	26.9	30.1	30.4	30.5	30.5	30.5	30.6
= OR >300	24.3	30.8	32.4	32.9	33.0	33.1	33.1	33.1
= OR >150	24.6	31.3	33.0	33.6	33.7	33.7	33.7	33.8
= OR >0	24.9	32.2	34.1	34.9	35.0	35.1	35.2	35.3
TOTAL	1749	2259	2398	2449	2462	2468	2475	2477

TOTAL NUMBER OF OBS: 7026

PCT FREQ NM <5/8: 64.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	ORSCD	TOTAL OBS
	3.3	12.8	18.8	16.7	12.4	8.3	6.8	6.1	11.7	1.0	7486

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1985-1979

AREA 0006 MANZANILLO SF
17.6N 102.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.1	.0	.1	.2	.1	.1	.1	.0	.0	.0	.7	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.1	.0	.2	.2	.1	.1	.1	.1	.0	.0	.9	
2<5	PCP	.0	.1	.4	.5	.1	.1	.2	.1	.0	.0	1.6	
	NO PCP	.1	.1	.2	.2	.1	.0	.1	.1	.0	.0	1.0	
	TOT %	.1	.1	.6	.7	.2	.2	.3	.2	.0	.0	2.6	
5<10	PCP	.2	.4	.7	.9	.4	.4	.6	.4	.0	.1	4.3	
	NO PCP	.4	.4	1.1	1.5	.7	.6	1.4	.9	.0	.4	7.2	
	TOT %	.5	.8	1.8	2.4	1.1	1.0	2.0	1.3	.0	.5	11.5	
10+*	PCP	.2	.2	.6	1.0	.4	.3	.4	.4	.0	.2	3.6	
	NO PCP	4.2	3.5	8.7	12.4	6.5	5.7	17.3	14.1	.0	8.4	80.9	
	TOT %	4.4	3.6	9.4	13.3	6.9	6.0	17.7	14.5	.0	8.6	84.5	
TOT OBS													8441
TOT PCT		5.1	4.6	12.0	16.8	8.4	7.3	20.3	16.1	.0	9.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.3	
	11-21	.0	.0	.1	.1	.1	.0	.1	.0	.0	.0	.4	
	22+	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.3	
	TOT %	.1	.0	.2	.2	.1	.1	.1	.1	.0	.0	1.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	4-10	.1	.1	.2	.2	.1	.1	.2	.1	.0	.0	1.0	
	11-21	.0	.1	.2	.4	.1	.1	.2	.1	.0	.0	1.2	
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.2	.2	.6	.8	.3	.2	.4	.3	.0	.1	3.0	
5<10	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.0	.5	1.1	
	4-10	.3	.5	.6	.9	.5	.4	1.0	.8	.0	.0	5.0	
	11-21	.1	.2	.7	1.1	.4	.4	.7	.4	.0	.0	4.0	
	22+	.0	.0	.4	.5	.1	.1	.2	.0	.0	.0	1.4	
	TOT %	.5	.8	1.8	2.5	1.1	1.0	2.0	1.3	.0	.5	11.5	
10+*	0-3	1.2	.9	1.1	1.1	1.1	1.0	2.3	1.8	.0	8.6	19.0	
	4-10	2.8	2.4	5.2	6.7	4.1	3.9	10.4	9.1	.0	44.6	84.6	
	11-21	.4	.3	2.5	4.3	1.3	1.0	4.5	3.3	.0	17.7	17.7	
	22+	.0	.0	.5	1.1	.2	.1	.3	.2	.0	.0	2.5	
	TOT %	4.4	3.6	9.4	13.2	6.8	6.0	17.5	14.4	.0	8.6	83.8	
TOT OBS													8814
TOT PCT		5.2	4.6	12.2	16.9	8.3	7.3	20.2	16.2	.0	9.1	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1965-1979

AREA CODE MANZANILLO SE
17.6N 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL ANY MGT	NM <5/8 ANY MGT	TOTAL OBS
00003	.9	.8	2.6	8.2	12.7	4.1	1.8	.7	.2	.0	31.8	64.2	1984
06009	1.4	.6	2.4	11.2	12.9	4.6	2.2	.4	.2	.1	35.9	64.1	1611
12015	2.5	.7	2.7	13.7	13.9	4.4	2.2	.5	.1	.2	41.0	59.0	1693
18021	1.2	.7	2.3	8.1	10.1	4.4	1.7	.9	.2	.1	29.4	70.6	1990
TOT	106	49	180	736	896	318	142	45	12	5	2469	4789	7278
PCT	1.5	.7	2.5	10.1	12.3	4.4	2.0	.6	.2	.1	34.2	65.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.3	.9	2.3	8.4	88.0	2325
06009	.4	.3	.9	3.0	12.3	83.1	2131
12015	.6	.3	1.2	4.1	16.4	77.4	2179
18021	.5	.2	1.0	2.7	9.0	86.6	2424
TOT	35	26	40	272	1033	7605	9061
PCT	.4	.3	1.0	3.0	11.4	83.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.9	4.4	13.8	19.7	66.9	1918
06009	1.5	4.6	17.2	20.4	62.4	1507
12015	2.6	6.2	21.4	21.1	57.3	1635
18021	1.1	4.4	13.6	16.9	69.5	1926
TOT	104	342	1145	1356	4525	7026
PCT	1.5	4.9	16.3	19.3	64.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.1	.0	.0	.0	9	.1
90/94	.0	.0	.0	.2	1.1	.9	.3	.1	182	2.6
85/89	.0	.0	.0	.2	4.1	15.0	4.3	.8	1715	24.3
80/84	.0	.0	.0	.1	1.9	22.3	30.2	5.5	4235	60.0
75/79	.0	.0	.0	.0	.0	.7	5.0	6.9	888	12.6
70/74	.0	.0	.0	.0	.0	.0	.1	.4	34	.5
TOTAL	0	0	2	33	508	2751	2806	963	7063	100.0
PCT	.0	.0	.0	.5	7.2	38.9	39.7	13.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.1	.4	.2	.1	.1	.6	.4	.0	.4
85/89	1.0	.8	2.0	3.9	2.0	1.8	6.1	4.3	.0	2.4
80/84	3.2	2.9	7.0	6.6	5.0	4.0	12.0	10.1	.0	6.0
75/79	.6	.9	2.4	2.8	1.2	1.2	1.8	1.0	.0	.6
70/74	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0
TOTAL	5.2	4.7	11.9	16.6	8.5	7.1	20.6	16.1	.0	9.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	97	91	88	84	78	76	68	83.8	2395
06009	92	87	85	82	77	75	72	81.9	2365
12015	91	86	84	81	76	74	69	81.0	2233
18021	96	93	90	84	78	75	69	84.3	2469
TOT	98	91	88	83	77	75	68	82.8	9252

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	8.4	48.4	33.4	9.5	79	1900
06009	.0	.2	3.0	31.8	49.9	15.1	82	1762
12015	.0	.1	1.9	24.4	52.9	20.7	84	1739
18021	.0	1.2	14.4	49.6	25.5	9.3	77	1883
TOT	0	35	51%	2839	2914	981	80	7284

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1985-1979

AREA 0004 MANZANILLO SE
17.6N 102.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.1	.1	16	.0	.2
9/10	.0	.0	.0	.0	.0	.1	.1	.1	23	.0	.3
7/8	.0	.0	.0	.0	.0	.1	.3	.1	45	.0	.6
6	.0	.0	.0	.0	.1	.3	.4	.1	65	.0	.8
5	.0	.0	.0	.0	.1	.3	.7	.0	102	.0	1.3
4	.0	.0	.0	.0	.3	1.2	.8	.0	187	.0	2.4
3	.0	.0	.0	.1	.4	1.5	.4	.0	198	.0	2.4
2	.0	.0	.0	.1	1.5	3.5	.5	.0	438	.0	5.6
1	.0	.0	.0	.1	1.9	3.3	.1	.0	425	.0	5.4
0	.0	.0	.0	.4	5.5	4.9	.2	.0	864	.0	11.0
-1	.0	.0	.0	.4	7.1	3.1	.0	.0	839	.0	10.7
-2	.0	.0	.0	.1	11.3	2.0	.0	.0	1133	.0	14.4
-3	.0	.0	.0	.1	8.5	1.0	.0	.0	490	.0	11.3
-4	.0	.0	.1	3.3	8.2	.5	.0	.0	927	.0	11.8
-5	.0	.0	.2	3.5	4.5	.2	.0	.0	652	.0	8.3
-6	.0	.0	.3	2.8	2.0	.0	.0	.0	403	.0	5.1
-7/-8	.0	.0	.8	3.4	1.3	.0	.0	.0	427	.0	5.4
-9/-10	.0	.0	.6	1.2	.2	.0	.0	.0	162	.0	2.1
-11/-13	.0	.0	.5	.2	.0	.0	.0	.0	53	.0	.7
-14/-16	.0	.1	.1	.0	.0	.0	.0	.0	12	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	2	9	198	4147	1738	287	35	7854	100.0	.1	7850
PCT	.0	.1	2.5	18.3	52.8	22.1	3.7	.4			99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.4	.0	.0	.0	.0	1.6	.6	1.0	.0	.0	.0	.0	1.5
1-2	.2	1.5	.1	.0	.0	.0	1.8	.2	1.2	.3	.0	.0	.0	1.8
3-4	.0	.4	.1	.0	.0	.0	.7	.0	.5	.3	.0	.0	.0	.8
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.2	.4	.0	.0	.0	4.5	.7	2.7	.7	.0	.0	.0	4.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.3	.0	.0	.0	.0	2.1	.7	1.5	.0	.0	.0	.0	2.2
1-2	.2	3.2	.3	.0	.0	.0	3.7	.3	4.7	.9	.0	.0	.0	5.9
3-4	.2	.9	1.6	.1	.0	.0	2.7	.1	1.1	2.1	.2	.0	.0	3.5
5-6	.0	.1	.9	.1	.0	.0	1.1	.0	.3	1.6	.2	.0	.0	2.4
7	.0	.0	.3	.3	.0	.0	.6	.0	.2	.7	.4	.0	.0	1.2
8-9	.0	.0	.2	.1	.0	.0	.4	.0	.0	.5	.4	.0	.0	.9
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.3	.1	.0	.4
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.4
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.4	3.4	1.0	.0	.1	11.1	1.1	7.9	6.1	2.0	.7	.0	17.3

PERIOD: (OVER-ALL) 1963-1970

SEPTEMBER

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.6	.2	.0	.0	.0	1.4	.5	1.2	.0	.0	.0	.0	1.7
1-2	.4	2.6	.5	.0	.0	.0	3.4	.3	2.4	.3	.0	.0	.0	3.4
3-4	.1	1.7	.9	.0	.0	.0	2.7	.1	1.3	.6	.1	.0	.0	2.0
5-6	.0	.3	.5	.0	.0	.0	.9	.0	.1	.5	.1	.1	.0	.8
7	.0	.0	.3	.1	.0	.0	.4	.0	.2	.2	.1	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.3
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.4	2.5	.3	.0	.0	9.1	.9	5.6	1.7	.3	.1	.0	8.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.3	2.0	.0	.0	.0	.0	3.3	.5	1.8	.2	.0	.0	.0	2.5	
1-2	.9	6.6	1.2	.1	.0	.0	8.7	.3	4.3	.9	.0	.0	.0	5.5	
3-4	.2	3.1	2.6	.0	.0	.0	6.0	.1	1.9	2.5	.1	.0	.0	4.5	
5-6	.0	.6	2.0	.2	.0	.0	2.8	.2	.5	.9	.2	.0	.0	1.7	
7	.0	.2	.6	.0	.0	.0	1.2	.0	.1	.4	.1	.0	.0	.6	
8-9	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	12.5	6.4	.8	.0	.0	22.2	1.0	8.6	4.9	.3	.0	.0	18.9	91.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.5	10.7	.4	.0	.0	.0	25.6	
1-2	3.6	26.2	6.9	.1	.0	.0	36.2	
3-4	.9	10.7	10.4	.4	.0	.0	22.4	
5-6	.2	2.0	8.6	.8	.1	.0	9.7	
7	.0	.0	2.5	1.3	.0	.0	4.4	
8-9	.0	.0	.8	.8	.0	.0	1.7	
10-11	.0	.0	.2	.5	.1	.0	.7	
12	.0	.0	.1	.2	.1	.0	.4	
13-16	.0	.0	.1	.4	.1	.0	.9	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	.0	.1	.0	.0	.1	
23-25	.0	.0	.0	.1	.1	.0	.1	
26-32	.0	.0	.0	.0	.1	.1	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.2	50.5	25.4	4.5	.4	.1	100.0	1975

PERIOD: (OVER-ALL) 1969-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-21	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	13.5	13.5	5.8	1.7	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2576	3
6-7	.1	2.0	6.7	6.1	4.3	1.8	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1563	5
8-9	.0	.0	2.9	3.9	2.7	1.5	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	881	6
10-11	.0	.0	1.0	1.0	1.1	.6	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	324	6
12-13	.0	.0	.5	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	129	6
14-15	.0	.0	.0	.3	.1	.1	.2	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	57	11
16-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	752	2
TOTAL	710	1196	1459	1350	671	329	195	101	97	26	6	6	6	0	0	0	0	0	0	6262	4
PCT	11.3	18.2	26.4	21.2	10.7	5.2	3.1	1.6	1.5	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1872-1979

OCTOBER

AREA 0006 PANZANILLO SE
17.64 102.94

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE MAZE	SPRAY BLWG DUST	NO SIG BLWG SNOW	SEA
N	2.6	2.1	1.0	.0	.0	.0	.0	5.7	1.5	4.5	.1	.0	.7	.0	87.7	
NE	5.0	1.0	1.3	.0	.0	.0	.0	7.4	2.6	6.7	.0	.0	.0	.0	83.0	
E	6.5	3.5	1.3	.0	.0	.0	.1	11.3	5.8	4.1	.0	.0	.0	.2	78.1	
SE	4.5	2.7	1.1	.0	.0	.0	.0	8.3	6.5	3.9	.0	.0	.0	.0	80.6	
S	3.1	1.8	2.0	.0	.0	.0	.0	8.6	4.4	3.6	.0	.0	.0	.0	84.9	
SW	2.4	1.7	1.2	.0	.0	.0	.2	5.5	3.4	2.9	.0	.0	.3	.0	87.6	
W	1.5	.8	.3	.0	.0	.0	.0	2.5	1.6	4.3	.3	.0	.5	.0	90.9	
NW	1.5	.8	.4	.0	.0	.0	.0	2.6	1.5	4.0	.4	.0	.4	.0	91.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8	.3	.5	.0	.0	.0	.0	1.6	1.0	5.6	.0	.0	1.4	.0	90.5	
TOT PCT	2.7	1.4	.8	.0	.0	.0	.	4.8	2.8	4.3	.2	.0	.7	.	87.4	
TOT OBS:	8471															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG BLWG SNOW	NO SIG SEA
0000	1.5	1.0	.7	.0	.0	.0	.	3.2	1.7	1.2	.2	.0	.4	.0	93.4	
0600	3.0	1.3	.9	.0	.0	.0	.	5.3	2.5	8.0	.3	.0	.4	.0	92.9	
1200	4.5	2.5	.8	.0	.0	.0	.0	7.7	4.3	8.4	.3	.0	.9	.1	78.8	
1800	2.1	1.0	.7	.0	.0	.0	.	3.8	2.6	.1	.	.0	.5	.0	92.6	
TOT PCT	2.7	1.4	.8	.0	.0	.0	.	4.9	2.7	4.4	.2	.0	.6	.	87.2	
TOT OBS:	8767															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	1.9	4.7	.8	.	.0	.		7.5	6.7		2.9	3.0	7.3	7.5	11.6	8.4	8.6	6.8
NE	1.0	3.7	.4	.1	.	.		5.2	6.9		1.9	5.0	3.1	6.5	9.6	9.7	6.4	9.0
E	1.2	5.3	2.2	.7	.2	.		9.6	10.3		5.5	5.6	7.4	8.2	12.5	13.4	12.7	12.7
SE	1.7	5.9	2.6	.7	.1	.		11.0	9.8		11.1	14.6	9.9	7.2	8.6	10.1	13.8	14.1
S	1.1	4.1	1.0	.2	.0	.		6.3	7.6		9.2	5.3	6.4	4.4	3.7	2.7	6.1	5.2
SW	1.1	6.2	.7	.1	.	.		8.2	7.3		11.1	7.9	5.6	8.1	1.4	5.4	4.4	5.9
W	2.8	14.1	4.7	.3	.	.		22.1	8.4		33.3	26.3	23.9	29.4	15.1	18.2	15.4	18.8
NW	2.7	13.1	4.2	.2	.	.		20.2	8.2		17.4	22.4	22.7	21.0	22.5	26.4	18.7	22.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.9							11.9	.0		7.7	9.9	14.2	6.5	14.3	7.8	13.0	5.6
TOT OBS	2296	4983	1505	204	32	16	9036		7.4		2156	151	2709	107	1922	232	2315	144
TOT PCT	25.4	55.1	16.7	2.3	.4	.2		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	03	06	12
N	4.5	2.7	.1	.	.	.		7.5	6.7	2.9	7.3	11.3	8.5
NE	3.2	1.7	.2	.	.	.		5.2	6.9	2.1	3.2	8.7	6.8
E	4.0	4.0	1.2	.	.	.		9.6	10.3	5.5	7.5	12.6	12.7
SE	4.5	4.8	1.4	.	.	.		11.0	9.8	11.3	9.7	8.8	13.8
S	3.4	2.5	.3	.	.	.		6.3	7.6	9.0	6.3	3.6	6.1
SW	3.6	2.4	.2	.	.	.		6.2	7.3	10.9	5.8	3.6	4.5
W	9.6	11.4	1.0	.1	.	.		22.1	8.4	32.8	24.1	15.4	16.1
NW	8.9	10.2	1.0	.1	.	.		20.2	8.2	17.7	22.2	22.5	18.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	11.9							11.9	.0	7.8	13.8	13.6	12.6
TOT OBS	4854	3586	481	93	22	9036			7.4	2107	2116	2154	2459
TOT PCT	53.7	39.7	5.3	1.0	.2			100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIHAPT) 1954-1979
(OVER-ALL) 1972-1974AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				N/A	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48-67				
00103	7.8	10.8	58.6	19.9	2.3	.4	.1	.1	9.0	100.0	2307
06109	13.4	12.1	52.8	18.6	2.3	.2	.3	.3	7.5	100.0	2116
12115	13.0	13.4	56.4	13.9	2.2	.4	.2	.2	7.0	100.0	2154
18121	12.6	17.5	52.9	14.3	2.2	.4	.1	.1	6.9	100.0	2459
TOT	1074	1222	4983	1505	204	32	16	7.4			9036
PCT	11.9	13.5	55.1	16.7	2.3	.4	.2		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	2.9	1.9	1.9	.9		3.7
NE	1.7	1.2	1.3	.8		4.1
E	1.6	1.9	3.0	2.4		5.1
SE	1.7	2.5	4.1	2.6		5.2
S	1.3	1.9	2.4	1.1		4.7
SW	1.7	1.4	1.9	1.1		4.4
W	7.5	6.4	5.2	2.0		3.8
NW	8.0	5.4	4.8	1.7		3.5
VAP	.0	.0	.0	.0		.0
CALM	5.1	3.5	2.8	.7		3.3
TOT OBS	2243	1980	2016	438	7077	4.1
TOT PCT	31.7	26.6	28.5	13.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL OBS
N	.1	.0	.0	.3	.6	.2	.1	.0	.0	.0	.0	6.2
NE	.1	.0	.1	.3	.4	.1	.0	.0	.0	.0	.0	3.9
E	.1	.1	.3	1.0	1.1	.4	.3	.0	.0	.0	.0	5.7
SE	.1	.1	.3	1.3	1.2	.6	.2	.1	.0	.0	.0	7.0
S	.0	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	4.6
SW	.0	.0	.1	.3	.5	.2	.2	.0	.0	.0	.0	4.6
W	.1	.1	.2	1.1	1.7	.5	.3	.0	.0	.0	.0	18.2
NW	.1	.0	.2	.7	1.1	.5	.1	.1	.0	.0	.0	17.3
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.1	.2	.6	.3	.1	.0	.0	.0	.0	.0	10.7
TOT OBS	49	29	106	394	558	232	106	29	11	2	5559	7077
TOT PCT	.7	.4	1.5	5.6	7.9	3.3	1.5	.4	.2	.0	78.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ CR >10	≥ CR >5	≥ CR >2	VSBY (NM)				≥ CR >1/2	≥ CR >1/4	≥ CR >50YD	≥ CR >0
				≥ CR >1	≥ CR >1/2	≥ CR >1/4	≥ CR >50YD				
≥ CR >5500	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
≥ CR >5000	.5	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6
≥ CR >3500	1.7	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
≥ CR >2000	4.3	5.1	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3
≥ CR >1000	10.6	12.7	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2
≥ CR >600	14.3	17.7	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7
≥ CR >300	15.0	18.9	19.8	20.0	20.1	20.1	20.2	20.2	20.2	20.2	20.2
≥ CR >150	15.2	19.2	20.2	20.4	20.4	20.5	20.6	20.6	20.6	20.6	20.6
≥ CR >0	15.4	19.5	20.7	20.9	21.0	21.1	21.2	21.2	21.2	21.2	21.2
TOTAL	1125	1424	1509	1526	1536	1541	1549	1549	1549	1549	1549

TOTAL NUMBER OF OBS: 7297

PCT FREQ NM <5/8: 78.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	OBS	TOTAL OBS
8.2	20.1	22.3	17.2	10.1	5.4	5.3	3.9	6.3	.5	7221	7221

PERIOD: (PRIMARY) 1954-1974
(OVER-ALL) 1972-1979

OCTOBER

AREA CODE: HANZANILLO SE
17.64 102.94

TABLE 4

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		7.5	5.2	9.6	11.0	6.4	6.2	22.2	20.0	0	11.8	100.0	96.4
TOT PCT		7.5	5.2	9.6	11.0	6.4	6.2	22.2	20.0	0	11.8	100.0	96.4

TABLE 5

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 3	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		7.5	5.2	9.6	11.0	6.4	6.2	22.2	20.0	0	11.8	100.0	96.4
TOT PCT		7.5	5.2	9.6	11.0	6.4	6.2	22.2	20.0	0	11.8	100.0	96.4

OCTOBER

PERIOD: (PP1-ADP) 1954-1976
(OVER-ALL) 1977-1979AREA CODE SANJUANILLO SE
17.6A 102.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	TOTAL OBS	NM <5/8 ANY HGT	TOTAL OBS
0000	.4	.2	1.2	4.4	8.2	2.7	1.3	.4	.2	.1	19.0	81.0	1999							
0600	.8	.4	1.5	5.7	7.6	3.4	1.8	.4	.1	.1	71.7	78.3	1760							
1200	.9	.5	1.7	6.2	8.3	3.3	1.2	.3	.2	.0	22.6	77.4	1756							
1800	.5	.4	1.4	5.2	6.6	3.1	1.5	.5	.1	.7	19.2	80.8	2088							
TOT	.4	.2	1.0	4.0	5.7	2.3	1.1	.3	.1	.2	1559	6044	7603							
PCT	.4	.2	1.4	5.3	7.6	3.1	1.4	.4	.1	.0	20.5	79.5	100.0							

TABLE 11

PERCENT FREQUENCY 1500 (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.3	.1	.2	1.0	6.6	91.8	2294
0600	.4	.1	.6	1.9	9.0	86.0	2142
1200	.1	.3	.6	2.5	11.4	85.1	2161
1800	.2	.3	.6	1.7	9.3	91.0	2477
TOT	.2	.2	.4	1.5	7.7	80.6	9278
PCT	.2	.2	.4	1.7	8.7	89.1	100.0

TABLE 12

CUMULATIVE PCT FREE OF RANGE OF 1500 (NM) AND/OR
CEILING HGT (FEET, NM) 14/81.91 HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	<1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000	.5	2.1	7.1	12.9	80.1	1934
0600	.8	2.9	9.7	15.5	76.8	1672
1200	1.0	3.6	11.1	15.2	75.7	1681
1800	.5	2.6	8.7	11.4	76.9	2010
TOT	.5	2.2	6.0	9.2	57.2	7297
PCT	.7	2.8	9.0	12.7	78.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-24	30-34	40-44	50-54	60-64	70-74	80-84	90-100	TOTAL OBS	PCT FREQ
55/69	.0	.0	.0	.0	.1	.0	.0	.0	6	.1
62/64	.0	.0	.0	.2	.2	.7	.3	.0	175	2.4
65/69	.0	.0	.0	.2	6.0	15.1	4.4	.7	1770	24.5
80/84	.0	.0	.0	.1	2.6	25.3	31.3	5.5	4807	64.9
75/79	.0	.0	.0	.0	.1	.9	3.7	.7	558	7.7
70/74	.0	.0	.0	.0	.0	.0	.2	.0	20	.3
TOTAL	.0	.0	.0	.4	5.7	30.3	28.3	7.1	7219	100.0
PCT	.0	.0	.0	.4	7.4	42.0	39.2	10.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/69	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
62/64	.2	.1	.2	.3	.1	.1	.6	.5	.0	.3
65/69	1.8	1.1	1.4	2.4	1.5	1.5	6.7	5.3	.0	2.9
80/84	5.2	3.2	6.0	8.6	4.3	3.8	14.0	13.4	.0	8.5
75/79	.5	.6	1.7	1.6	.5	.6	.7	1.1	.0	.5
70/74	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
TOTAL	7.6	5.0	9.5	10.9	6.4	6.1	22.0	20.3	.0	12.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	66	60	64	69	74	76	69	67.4	7353
0600	91	86	85	87	79	76	76	82.2	2180
1200	95	86	84	87	77	75	73	81.3	2226
1800	97	87	80	85	74	76	75	84.7	7525
TOT	97	81	80	83	76	75	69	82.1	9284

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-24	30-34	40-44	50-54	60-64	70-74	80-84	90-100	MEAN	TOTAL OBS
0000	.0	.5	6.9	53.2	31.3	6.1	78	1935		
0600	.0	.2	4.0	34.1	50.2	11.5	81	1807		
1200	.0	.1	1.5	26.1	50.7	17.6	83	1751		
1800	.0	1.5	16.1	50.7	25.6	6.1	76	1988		
TOT	.0	.4	5.9	31.4	24.5	755	80	7401		

OCTOBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1872-1979AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N PCT	NO FOG
14/16	.0	.0	.0	.0	.0	*	*	4	.0	.1
11/13	.0	.0	.0	*	.1	*	.1	11	.0	.1
9/10	.0	.0	.0	.1	.1	.1	.1	28	.0	.4
7/8	.0	.0	.0	.1	.2	.4	.1	62	.0	.8
6	.0	.0	*	.1	.2	.3	*	52	.0	.7
5	.0	.0	*	.2	.6	.7	*	124	.0	1.6
4	.0	.0	*	.4	1.4	.8	*	206	.0	2.6
3	.0	.0	*	.5	1.7	.5	*	218	.0	2.7
2	.0	.0	.1	1.5	3.7	.3	.0	441	.1	5.5
1	.0	.0	.1	2.3	3.9	.1	*	510	*	6.4
0	.0	.0	.3	6.1	4.8	.1	.7	1046	.1	.1
-1	.0	*	.3	9.1	3.3	*	.0	1004	*	.6
-2	.0	*	1.0	13.0	1.5	.0	.0	1232	*	15.5
-3	.0	*	1.5	8.9	.9	.0	.0	900	*	11.3
-4	.0	*	2.5	7.4	.4	.0	.0	822	*	10.4
-5	.0	.1	2.2	4.2	.1	.0	.0	519	.0	6.5
6	.0	.1	2.0	1.4	.1	.0	.0	290	.0	3.7
-7/-8	.0	.5	2.4	.9	*	.0	.0	331	.0	3.9
-9/-10	*	.5	.7	.2	.0	.0	.0	110	.0	1.4
-11/-13	*	.3	.1	*	.0	.0	.0	36	.0	.5
-14/-16	.0	*	*	*	.0	.0	.0	6	.0	.1
TOTAL	4	127	1044	1815	260	35	7932	17	7915	
PCT	.1	1.6	13.2	58.6	22.9	3.3	.4	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.5	.1	.0	.0	.0	2.7	2	.7	*	.0	.0	.0	.9
1-2	.4	3.0	.2	.0	.0	.0	3.6	.1	1.8	.2	.0	.0	.0	2.1
3-4	*	.9	.4	.1	.0	.0	1.4	.0	.5	.2	.0	.0	.0	.7
5-7	.0	.2	.2	.0	.0	.0	.5	.0	.1	.2	.1	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	5.7	.9	.1	.0	.0	8.1	.3	3.1	.6	.1	.0	.1	4.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.1	.0	.0	.0	.0	1.8	.6	.9	*	.0	.0	.0	1.6
1-2	.3	2.8	.2	.0	.0	.0	3.3	.5	3.0	.2	.0	.0	.0	3.7
3-4	.0	1.0	.1	.0	.0	.0	2.2	.1	.6	1.1	.1	.0	.0	1.8
5-6	.0	.2	.3	.2	.0	.0	.7	.0	.1	.9	.2	.1	.0	1.3
7	.0	.1	.4	.1	.0	.0	.5	.0	.2	.3	.1	.0	.0	.6
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.2	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.2	2.0	.7	.0	.1	9.0	1.2	4.9	2.7	.8	.2	.0	9.6

PERIOD: (OVER-ALL) 1963-1979

OCTOBER

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.4	.0	.2	.0	1.7	.2	1.3	.4	.0	.0	.0	1.6
1-2	.3	1.7	.3	.0	.0	.0	2.3	.2	1.7	.2	.0	.0	.0	2.1
3-4	.1	.8	.2	.0	.0	.0	1.1	.1	.6	.1	.0	.0	.0	.8
5-6	.0	.1	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.1	.0	.1	.2	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.8	.8	.2	.0	.0	5.7	.1	3.8	.6	.1	.0	.0	5.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.4	3.1	.1	.0	.0	.0	4.5	1.5	2.5	.0	.0	.0	.0	4.0	
1-2	.9	8.8	1.7	.0	.0	.0	11.4	1.1	8.3	1.8	.0	.0	.0	11.2	
3-4	.1	3.9	2.2	.0	.0	.0	6.1	.1	2.9	2.0	.0	.0	.0	4.9	
5-6	.0	.6	1.2	.2	.0	.0	1.9	.0	.7	1.2	.1	.0	.0	2.0	
7	.0	.1	.3	.1	.0	.0	.5	.0	.0	.1	.1	.0	.0	.2	
8-9	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	16.4	5.4	.3	.1	.0	24.6	2.7	14.5	5.0	.2	.1	.0	22.4	88.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.0	12.1	.2	.0	.0	.0	30.3	
1-2	5.3	30.4	4.5	.0	.0	.0	40.2	
3-4	.6	10.8	6.9	.2	.0	.0	18.6	
5-6	.0	2.2	3.9	.7	.0	.0	6.9	
7	.0	.3	1.3	.3	.0	.0	2.0	
8-9	.0	.1	.2	.4	.0	.0	.9	
10-11	.0	.0	.0	.3	.0	.0	.4	
12	.0	.0	.0	.1	.1	.0	.2	
13-16	.0	.0	.0	.2	.0	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.9	56.0	17.4	2.4	.3	.1	100.0	2032

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	6.0	17.9	14.1	5.2	1.8	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2946	3
8-9	.1	2.8	8.3	5.9	2.8	1.1	.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1434	5
10-11	.1	1.4	2.8	3.2	2.2	1.0	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	733	5
12-13	.0	.7	1.0	1.0	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	254	5
14-15	.0	.0	.7	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	107	6
16-17	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	7
INDET	8.2	1.8	2.1	1.1	.5	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	893	2
TOTAL	923	1573	1861	1102	509	217	115	32	49	17	15	5	2	0	0	0	0	0	0	6420	3
PCT	14.4	24.5	29.0	17.2	7.9	3.4	1.8	.5	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD. (PRIMARY) 1953-1979
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17.6N 102.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LING	FOG W0 PCPN	FOG W0 PCPN PAST HR	SMOKE HAZE	SPRAY RLWG DUST BLWG SNOW	NO SIG WEA
N	.9	.3	.2	.0	.0	.0	.0	1.4	1.0	1.6	.5	.0	1.0	.0	94.6
NE	1.9	.6	.2	.0	.0	.0	.0	2.7	1.3	2.3	1.4	.0	1.1	.0	90.9
E	1.8	1.2	.7	.0	.0	.0	.0	3.6	1.9	2.8	.0	.0	1.4	.0	90.6
SE	1.6	1.5	.8	.0	.0	.0	.0	3.9	2.1	2.0	.0	.0	.9	.0	90.9
S	2.1	.4	.3	.0	.0	.0	.0	2.8	3.2	5.9	.8	.0	.7	.0	87.3
SW	1.2	.1	.3	.0	.0	.0	.0	1.5	.4	2.3	1.0	.0	1.1	.0	94.0
W	.3	.3	.0	.0	.0	.0	.0	.6	.4	1.0	.2	.0	.8	.0	97.1
NW	.2	.2	.1	.0	.0	.0	.0	.6	.5	1.0	.2	.0	.5	.0	97.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.1	.0	.0	.0	.0	.0	.4	.2	1.5	.1	.0	1.7	.0	96.2
TOT PCT	.7	.4	.2	.0	.0	.0	.0	1.3	.8	1.6	.3	.0	1.0	.0	95.1
TOT OBS:	7756														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY RLWG DUST BLNG SNOW	NO SIG WEA	
00003	.6	.3	.2	.0	.0	.0	.0	1.0	.4	.5	.6	.0	1.0	.0	96.7	
06009	.5	.2	.2	.0	.0	.0	.0	.1	.8	2.8	.5	.0	.6	.0	94.5	
12015	1.4	.8	.2	.0	.0	.0	.0	2.4	1.2	3.2	.6	.1	1.1	.0	91.5	
18021	.4	.3	.2	.0	.0	.0	.0	.9	.8	.3	.2	.0	1.1	.0	96.6	
TOT PCT	.7	.4	.2	.0	.0	.0	.0	1.3	.8	1.7	.5	.0	1.0	.0	95.0	
TOT OBS:	8050															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	3.3	7.3	.7	.0	.0	.0		11.3	5.8	5.3	6.4	10.2	5.4	17.1	13.5	13.3	13.6
NE	1.7	4.4	.3	.0	.0	.0		6.4	5.6	2.2	2.1	4.5	2.9	9.5	12.6	8.8	13.1
E	1.4	4.6	.9	.1	.0	.0		7.0	7.1	3.4	4.8	4.3	2.0	8.7	10.0	11.6	4.6
SE	1.2	3.3	.7	.0	.0	.0		5.3	6.7	5.3	6.0	4.3	7.5	4.9	3.7	6.8	3.4
S	.9	2.1	.2	.0	.0	.0		3.2	5.7	4.3	3.2	2.4	3.4	1.8	1.3	3.2	3.4
SW	1.0	3.1	.2	.0	.0	.0		4.4	5.7	4.2	2.5	4.1	6.4	1.8	1.3	2.7	5.8
W	3.8	15.1	2.9	.1	.0	.0		22.1	7.1	36.5	33.1	24.9	38.0	12.4	14.7	13.8	17.7
NW	3.6	17.5	4.0	.1	.0	.0		25.2	7.5	23.1	27.1	29.2	27.7	24.9	28.3	23.0	31.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	15.2							15.2	.0	9.8	14.7	16.2	11.8	18.8	14.5	16.8	6.8
TOT OBS	2676	4807	828	35	7	1	8354		5.7	1960	163	1875	102	1805	235	2111	103
TOT PCT	32.0	57.5	9.9	.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	
N	7.6	3.6	.1	.0	.0		11.3	5.8	5.4	9.9	16.7	13.3	
NE	4.4	1.9	.1	.0	.0		6.4	5.6	2.2	4.5	9.9	9.0	
E	4.1	2.6	.2	.1	.0		7.0	7.1	3.5	4.1	8.8	11.3	
SE	3.3	1.8	.1	.0	.0		5.3	6.7	5.3	4.2	4.8	6.6	
S	2.2	1.0	.0	.0	.0		3.2	5.7	5.1	2.4	1.8	3.2	
SW	3.3	1.1	.0	.0	.0		4.4	5.7	4.2	2.5	1.8	2.9	
W	12.0	9.5	.4	.1	.0		22.1	7.1	36.2	25.5	12.7	13.9	
NW	12.6	11.8	.7	.1	.0		25.2	7.5	23.4	29.1	25.3	23.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	15.2						15.2	.0	10.2	14.0	18.3	14.3	
TOT OBS	5403	2783	146	20	2	8354		5.7	2123	1977	2040	2214	
TOT PCT	64.7	33.3	1.7	.2	.0		100.0		100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				49+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	10.2	15.0	60.3	14.0	.4	.0			6.6	100.0	2123
06009	16.0	14.6	57.4	11.5	.5	.1		.0	6.0	100.0	1977
12015	18.3	16.7	57.0	7.6	.4			.0	5.3	100.0	2040
18021	16.3	20.9	55.6	6.6	.4	.2		.0	5.2	100.0	2214
TOT	1266	1410	4807	828	35	7		1	5.7		8354
PCT	15.2	16.9	57.5	9.9	.4	.1			100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL	MEAN
N	6.3	2.5	2.0	.4		2.6
NE	3.2	1.3	1.2	.3		2.9
E	2.8	1.6	1.5	.7		3.6
SE	1.8	1.5	1.4	.6		3.9
S	1.1	.8	.8	.3		3.8
SW	1.8	1.5	1.1	.2		3.3
W	11.3	6.6	3.8	.9		2.8
NW	13.4	6.2	4.7	1.0		2.8
VAR	.0	.0	.0	.0		.0
CALM	8.6	3.7	2.3	.4		2.5
TOT OBS	3217	1648	1203	315	6383	2.9
TOT PCT	50.4	25.8	18.9	4.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL	MEAN	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
N	6.3	2.5	2.0	.4		2.6	.0	.0	.0	.2	.4	.2	.1	.0	.0	.0	.0	10.3
NE	3.2	1.3	1.2	.3		2.9	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	5.3
E	2.8	1.6	1.5	.7		3.6	.0	.0	.1	.4	.5	.1	.1	.1	.0	.0	.0	5.4
SE	1.8	1.5	1.4	.6		3.9	.0	.0	.0	.2	.5	.2	.0	.1	.0	.0	.0	4.2
S	1.1	.8	.8	.3		3.8	.0	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	2.4
SW	1.8	1.5	1.1	.2		3.3	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	4.2
W	11.3	6.6	3.8	.9		2.8	.0	.0	.1	.4	.8	.5	.1	.0	.0	.0	.0	20.6
NW	13.4	6.2	4.7	1.0		2.8	.1	.0	.1	.4	.8	.5	.2	.1	.1	.1	.1	22.9
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.6	3.7	2.3	.4		2.5	.0	.0	.0	.2	.4	.3	.2	.0	.0	.0	.0	13.9
TOT OBS	3217	1648	1203	315	6383	2.9	16	12	29	140	259	135	48	26	12	12	5694	6383
TOT PCT	50.4	25.8	18.9	4.9	100.0		.3	.2	.5	2.2	4.1	2.1	.4	.4	.2	.2	89.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >50YD	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4			
≥ OR >6500	.4	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	.8	.8	.8	.8	.8	.8	.8	.8	.8
≥ OR >3500	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ OR >2000	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
≥ OR >1000	6.9	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6
≥ OR >600	8.8	9.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ OR >300	9.2	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
≥ OR >150	9.3	10.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
≥ OR >0	9.5	10.5	10.7	10.7	10.7	10.7	10.7	10.7	10.7
TOTAL	622	690	703	704	705	705	705	705	705

TOTAL NUMBER OF OBS: 6571

PCT FREQ NM <5/8: 89.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	8 OBSCD	TOTAL OBS
19.1	26.3	22.3	13.7	7.8	3.7	3.2	1.9	1.9	.2	6931

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.5	.4	.6	.4	.2	.2	.7	1.1	.0	.5	4.5	
	TOT %	.5	.4	.7	.4	.3	.2	.8	1.1	.0	.5	4.5	
10+	PCP	.1	.1	.1	.1	.0	.0	.1	.1	.0	.0	.0	
	NO PCP	10.7	5.4	6.1	4.7	3.0	4.2	21.3	24.2	.0	14.0	94.0	
	TOT %	10.8	6.0	6.2	4.9	3.0	4.4	21.3	24.3	.0	14.0	94.0	
TOT OBS													7731
TOT PCT													11.4 6.4 7.0 5.3 3.3 4.5 22.2 25.5 .0 14.5 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	
5<10	0-3	.2	.2	.1	.1	.1	.1	.2	.2	.0	.5	1.6	
	4-10	.3	.1	.3	.3	.2	.1	.4	.6	.0	.0	2.3	
	11-21	.0	.1	.1	.1	.0	.0	.1	.2	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.5	.4	.7	.4	.2	.2	.7	1.0	.0	.5	4.7	
10+	0-3	3.0	1.5	1.2	1.1	.8	1.0	3.6	3.3	.0	14.5	30.1	
	4-10	7.0	4.2	4.3	3.0	1.9	3.0	14.7	17.0	.0	.0	55.1	
	11-21	.7	.2	.7	.6	.2	.2	2.8	3.8	.0	.0	9.3	
	22+	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
	TOT %	10.7	5.9	6.3	4.8	2.9	4.2	21.2	24.2	.0	14.5	94.7	
TOT OBS													8079
TOT PCT													11.3 6.3 7.0 5.3 3.2 4.4 22.1 25.4 .0 15.0 100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 24/8) AND
OCCURRENCE OF NM 5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM 5/8 ANY MGT	TOTAL OBS
00003	.1	.1	.4	1.4	4.3	2.1	.5	.8	.1	.4	10.4	89.6	1777
06009	.3	.1	.2	2.1	3.8	1.6	.9	.1	.2	.2	9.6	90.4	1641
12015	.6	.3	.7	2.4	3.8	2.1	.4	.4	.1	.2	10.9	89.1	1600
18021	.1	.2	.5	2.3	3.5	2.1	1.2	.4	.2	.1	10.5	89.5	1874
TOT	16	13	32	146	265	127	51	28	12	14	714	6174	6892
PCT	.2	.2	.5	2.1	3.8	2.0	.7	.4	.2	.2	10.4	89.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	0	0	0	.3	4.8	94.8	2098
06009	.1	.0	.0	.4	5.2	94.2	1999
12015	.0	.0	.1	.5	6.5	92.9	2034
18021	.0	.0	.1	.4	3.7	96.3	2243
TOT	2	1	6	37	406	7922	8374
PCT	0	0	.1	.4	4.8	94.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM 24/8) BY HOUR

HOUR (GMT)	<150 5000	<600 1000	<1000 4000	1000+ AND 5+	NM 5/8 AND 5+	TOTAL OBS
00003	.1	.6	2.4	8.5	89.1	1711
06009	.4	.8	3.4	6.8	89.9	1547
12015	.6	1.7	4.4	7.1	88.5	1514
18021	.1	.6	3.6	7.5	88.9	1779
TOT	17	62	225	492	5854	6571
PCT	.3	.9	3.4	7.5	89.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	0	.0	0	.0	.0	2	0
90/94	.0	.0	0	.2	.5	.4	.1	.1	77	1.2
85/89	.0	.0	.1	.4	3.9	8.2	2.2	.4	987	15.3
80/84	.0	.0	.0	.5	7.0	33.0	25.5	4.4	4554	70.5
75/79	.0	.0	.0	0	.4	4.1	6.0	2.2	820	12.7
70/74	.0	.0	.0	.0	0	.1	.1	.1	17	.3
TOTAL	0	0	6	74	761	2956	2198	462	6457	100.0
PCT	.0	.0	.1	1.1	11.8	45.8	34.0	7.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	0	.0	.0	.0	.0	.0	0	.0	.0	.0
90/94	.1	.1	.1	.1	.1	0	.2	.4	.0	.2
85/89	1.3	.8	1.1	.9	.7	.9	3.8	3.7	.0	2.1
80/84	7.8	4.2	4.6	3.6	2.0	3.3	16.8	17.5	.0	10.7
75/79	1.4	1.4	1.0	.6	.2	.3	1.7	3.5	.0	2.1
70/74	0	0	0	.0	.0	.0	.1	.0	.0	.1
TOTAL	11.3	6.4	6.9	5.3	3.0	4.5	22.5	25.2	.0	15.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	91	87	83	79	77	70	83.0	2162
06009	90	86	84	82	78	76	73	81.3	2042
12015	94	85	84	81	77	75	71	80.5	2106
18021	95	91	88	84	79	77	74	83.7	2278
TOT	95	90	87	82	78	76	70	82.2	8588

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	15.4	51.7	26.1	5.3	75	1693
06009	.0	.5	5.3	45.6	40.3	8.2	80	1641
12015	.0	.5	4.0	33.9	49.1	12.5	82	1586
18021	.0	2.4	20.6	50.8	22.2	3.4	75	1768
TOT	0	83	777	3062	2275	441	78	6688

NOVEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979

TABLE 17

AREA 0006 PANZANILLO SE
17.64 102.9WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 75	77 80	81 84	85 88	89 92	>92	TOT	W FOG	NO FOG
14/16	.0	.0	.0	.0	*	*	.0	2	.0	*
11/13	.0	.0	.0	*	.1	*	*	11	.0	.2
9/10	.0	.0	.0	.1	.1	.1	.1	26	.0	.4
7/8	.0	.0	*	.2	.2	.3	*	59	.0	.8
6	.0	.0	.0	.1	.2	.2	*	42	.0	.6
5	.0	.0	.1	.3	.6	.3	.0	92	.0	1.3
4	.0	*	.1	.7	1.1	.2	.0	158	*	2.2
3	.0	.0	*	.6	1.3	.2	.0	181	*	2.2
2	.0	.0	.3	2.5	2.3	.2	.0	392	*	5.2
1	.0	*	.4	3.0	2.4	.1	.0	434	*	5.9
0	.0	.0	1.0	8.5	2.8	*	.0	897	.1	12.1
-1	.0	*	1.4	10.0	1.7	*	.0	957	.1	13.0
-2	.0	.1	2.5	13.3	.6	.0	.0	1200	.1	16.3
-3	.0	.1	3.5	8.7	.4	.0	.0	925	.0	12.7
-4	.0	.2	4.8	6.5	.1	.0	.0	842	*	11.5
-5	.0	.2	3.4	3.4	.2	.0	.0	520	.0	7.1
-6	.0	.1	2.5	.9	*	.0	.0	293	.0	4.0
-7/-8	.0	.2	2.2	.7	.0	.0	.0	227	.0	3.1
-9/-10	.0	.3	.4	.1	.0	.0	.0	57	.0	.8
-11/-13	.1	*	.1	*	.0	.0	.0	14	.0	.2
-14/-16	.0	.0	.0	*	.0	.0	.0	2	.0	*
TOTAL	*		1682	4358	1076	11		7301	36	7265
PCT	.1	1.3	23.0	59.7	14.1	1.8	.2	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.8	2.3	.1	.0	.0	.0	4.2	.6	1.5	.0	.0	.0	.0	2.1
1-2	.8	3.8	.3	.0	.0	.0	4.9	.5	2.3	.1	.0	.0	.0	2.9
3-4	.3	1.4	.1	.0	.0	.0	1.8	.1	.4	.2	.0	.0	.0	.7
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.1	*	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	7.6	.7	.0	.0	.0	11.2	1.2	4.3	.3	.0	.0	.0	5.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	*	.0	.0	.0	2.0	.5	.9	*	.0	.0	.0	1.4
1-2	.5	2.5	.3	.0	.0	.0	3.3	.2	2.0	.2	.0	.0	.0	2.9
3-4	.1	.6	.1	.0	.0	.0	.8	.1	.4	.2	.0	.0	.0	1.0
5-6	.0	.2	.1	.0	.0	.0	.3	.1	.1	*	.0	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.8	.4	.0	.0	.0	6.5	.9	3.7	.4	.0	.0	.0	5.1

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

AREA CODE MANZANILLO SE
17.6N 102.9W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9	.7	1.5	.0	.0	.0	.0	2.2
1-2	.1	1.3	.0	.0	.0	.0	1.4	.3	2.0	.7	.0	.0	.0	2.5
3-4	.1	.5	.1	.0	.0	.0	.7	.1	.4	.1	.0	.0	.0	.6
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.7	.2	.0	.0	.0	3.4	1.1	4.0	.3	.0	.0	.0	5.3

HGT	1-1	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.9	3.8	.1	.0	.0	.0	5.8	1.9	4.3	.0	.0	.0	.0	6.2	
1-2	1.6	9.5	1.4	.0	.0	.0	12.6	1.2	10.3	1.1	.0	.0	.0	12.6	
3-4	.2	2.0	1.0	.0	.0	.0	3.2	.2	2.6	1.4	.0	.0	.0	4.1	
5-6	.0	.4	.5	.0	.0	.0	.9	.0	.9	.5	.1	.0	.0	1.4	
7	.0	.1	.0	.0	.0	.0	.1	.0	.1	.3	.0	.0	.0	.4	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.7	15.9	5.1	.0	.0	.0	22.6	5.3	18.2	3.4	.1	.0	.0	25.1	84.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.1	16.5	.3	.0	.0	.0	40.9	
1-2	5.4	32.8	3.4	.0	.0	.0	42.2	
3-4	1.2	9.3	3.2	.0	.0	.0	12.6	
5-6	.1	1.9	1.3	.1	.0	.0	3.3	
7	.0	.2	.5	.0	.0	.0	.6	
8-9	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	31.4	54.7	8.6	.1	.0	.0	100.0	1746

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6	9.9	23.8	14.1	3.7	1.2	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2962	2
6-7	.3	3.4	6.4	3.8	1.2	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	902	4
8-9	.1	1.1	2.2	1.3	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	327	4
10-11	.0	.9	1.3	.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	193	4
12-13	.0	.0	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	5
13	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	6
14-15	13.6	2.1	2.3	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1082	1
TOTAL	1359	1760	1503	616	224	88	25	6	14	4	0	0	0	0	0	0	0	0	0	5583	3
PCT	24.0	31.5	26.9	11.0	4.1	1.4	.4	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1661-1979

AREA CODE: PANZANILLO SE
17.64 102.54

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRTN PCPN	HAIL	PCPN AT CE TIME	PCPN PAST HCLR	THDR LING	FOG NO PCPN	FOG NO PCPN PAST HD	SMOKE HAZE	SPRAY BLUG DUST	NO SIG SEA
N	1.0	.1	.2	.0	.0	.0	.0	1.2	.6	.5	.0	.0	.5	.0	97.2
NE	1.0	.4	.2	.0	.0	.0	.0	1.5	.2	1.0	.0	.0	1.0	.0	95.6
E	1.4	.5	.4	.0	.0	.0	.0	2.3	.5	.9	.3	.0	1.4	.2	95.6
SE	.5	.7	.1	.0	.0	.0	.0	1.2	1.4	.7	.6	.0	1.4	.0	96.7
S	1.2	1.7	.5	.0	.0	.0	.0	3.4	1.1	.5	.0	.0	.4	.0	96.7
SW	.0	.5	.0	.0	.0	.0	.0	.5	.9	.4	.0	.0	.0	.0	98.3
W	.1	.0	.1	.0	.0	.0	.0	.1	.1	.1	.2	.0	.4	.0	99.1
NW	.3	.1	.2	.0	.0	.0	.0	.6	.7	.5	.2	.0	.5	.0	98.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.1	.0	.0	.0	.0	.0	.3	.2	.9	.1	.0	2.0	.1	96.4
TOT PCT	.5	.2	.2	.0	.0	.0	.0	.9	.4	.6	.2	.0	.7	.0	97.3
TOT OBS:	7106														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRTN PCPN	HAIL	PCPN AT CE TIME	PCPN PAST HCLR	THDR LING	FOG NO PCPN	FOG NO PCPN PAST HD	SMOKE HAZE	SPRAY BLUG DUST	NO SIG SEA
0000	.6	.3	.1	.0	.0	.0	.0	1.0	.2	.1	.2	.0	.3	.1	98.2
0600	.6	.2	.2	.0	.0	.0	.0	1.0	.2	1.4	.3	.0	1.0	.0	96.2
1200	.6	.2	.1	.0	.0	.0	.0	.9	.5	1.3	.1	.0	.7	.1	96.6
1800	.4	.2	.2	.0	.0	.0	.0	.7	.7	.0	.0	.0	1.0	.0	97.5
TOT PCT	.5	.2	.1	.0	.0	.0	.0	.9	.4	.7	.2	.0	.7	.0	97.2
TOT OBS:	7382														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21	
N	3.1	8.2	1.3	.0	.0	.0	12.6	6.2	6.7	5.5	11.4	4.8	17.0	2.1	15.4	14.2	14.2	
NE	2.1	5.4	.5	.1	.0	.0	8.0	5.8	3.2	.8	5.2	3.1	12.0	13.1	11.4	14.2	14.2	
E	1.6	5.4	.9	.0	.0	.0	7.9	6.5	4.4	3.2	5.7	4.0	4.4	12.1	12.5	9.6	14.2	
SE	1.3	2.9	.6	.0	.0	.0	4.8	6.4	4.9	7.7	3.5	4.4	3.5	5.7	6.3	5.0	14.2	
S	.9	1.7	.2	.0	.0	.0	2.6	5.5	5.4	3.2	1.9	1.5	1.1	1.5	2.4	3.3	14.2	
SW	1.0	2.7	.2	.0	.0	.0	3.9	5.5	8.9	4.7	2.5	5.7	1.5	1.8	2.5	4.8	14.2	
W	3.6	11.3	2.2	.0	.0	.0	19.0	6.8	33.0	30.5	20.1	34.4	11.0	13.2	11.3	14.2	14.2	
NW	3.7	17.4	4.9	.1	.0	.0	26.2	7.7	23.7	28.8	32.4	25.9	26.8	27.6	22.3	26.4	14.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	14.8						14.8	.0	9.7	16.1	16.9	5.7	18.9	13.1	15.5	6.8	14.2	
TOT OBS	2804	4359	821	20	1	0	7665	5.7	1826	119	1724	88	1584	184	2005	106	14.2	
TOT PCT	32.1	56.9	10.7	.3	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	03					06	09	12	18	21
N	8.1	4.3	.2	.0	.0		12.6	6.2	6.6	11.5	16.4	15.4	
NE	5.8	2.1	.1	.0	.0		8.0	5.8	3.0	5.1	12.1	11.4	
E	4.8	3.3	.1	.0	.0		7.9	6.5	4.3	5.6	8.8	12.3	
SE	3.0	1.7	.1	.0	.0		4.8	6.4	5.1	3.8	3.7	6.3	
S	2.0	.7	.0	.0	.0		2.6	5.5	5.3	2.2	1.1	2.5	
SW	2.9	1.0	.0	.0	.0		3.9	5.5	4.6	2.6	1.5	2.7	
W	10.6	8.2	.2	.0	.0		19.0	6.8	32.9	20.8	11.3	11.4	
NW	12.6	12.7	.9	.0	.0		26.2	7.7	24.0	32.1	26.8	22.5	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	14.8						14.8	.0	10.1	16.4	18.1	15.1	
TOT OBS	4947	2577	138	3	0	7665		5.7	1944	1812	1798	2111	
TOT PCT	64.5	33.6	1.8	.0	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

DECEMBER

AREA 0006 PANZANILLO SE
17.6% 102.9%

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	10.1	15.8	60.7	13.3	.1	.0	.0	6.4	100.0	1944
0400	16.4	15.2	55.2	12.7	.4	.1	.0	6.0	100.0	1912
1215	18.1	16.3	56.2	9.1	.3	.0	.0	5.4	100.0	1798
1827	15.1	21.3	55.4	8.0	.3	.0	.0	5.2	100.0	2131
TOT	1138	1326	4359	871	20	1	0	5.7		7665
PCT	14.8	17.3	56.9	10.7	.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	6.3	2.6	2.7	1.1		3.1
NE	3.9	1.4	1.7	.7		3.2
E	7.8	2.2	2.2	.9		3.8
SE	1.6	1.1	1.1	.7		3.9
S	1.2	.6	.8	.4		3.8
SW	1.9	.8	.8	.2		3.0
W	10.1	4.6	3.7	1.0		2.8
NW	13.3	5.2	4.3	1.9		2.9
VAR	.0	.0	.0	.0		2.9
CALM	8.0	3.0	2.9	.8		3.1
TOT OBS	2859	1274	1246	454	5838	
TOT PCT	44.0	21.0	21.3	7.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM 3000)
AND OCCURRENCE OF NH <500 BY WIND DIRECTION

200	150	100	600	1000	2000	3500	5000	6500	8000+	NH <500	TOTAL
149	299	599	999	1999	3999	4999	6999	7999		ANY HGT	OBS
.0	.0	.0	.5	.7	.4	.1	.1	.0	.0	10.9	
.0	.0	.1	.2	.4	.2	.1	.0	.0	.0	.1	6.8
.1	.0	.1	.2	.4	.2	.2	.0	.1	.1	.1	6.6
.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	3.7
.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	2.5
.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	3.3
.0	.0	.0	.4	.6	.6	.3	.1	.0	.1	.1	17.4
.1	.0	.1	.6	1.1	.6	.4	.1	.1	.1	.1	22.2
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	.0	.0	.7	.5	.3	.3	.1	.0	.1	.1	13.1
15	3	22	154	257	152	96	33	19	35	5051	5838
.3	.1	.4	2.6	4.4	2.6	1.7	.0	.2	.6	86.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 3000) AND VSBY (NH)

CEILING (FEET)	> 10	> 20	> 30	> 40	> 50	> 60	> 70	> 80	> 90	> 100
> 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
> 5000	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
> 3500	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
> 4000	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
> 3000	9.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
> 4000	11.4	12.5	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
> 3000	11.7	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
> 3500	11.9	13.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
> 4000	12.0	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
TOTAL	721	797	877	807	409	812	812	812	812	812

TOTAL NUMBER OF OBS: 6029

PCT FREQ NH <500: 86.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	9	ORSCD	TOTAL OBS
25.5	24.4	17.6	11.8	6.8	4.2	3.6	2.7	3.4	.2	6397	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

DECEMBER

AREA CODE PANAMA 51
17.64 102.60

TABLE 4

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (M)		N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.3
	NO PCP	.4	.4	.4	.3	.1	.1	.8	1.2	.0	.4	.4	4.2
	TOT 3	.4	.4	.5	.3	.1	.1	.8	1.2	.0	.4	.4	4.5
10<	PCP	.1	.1	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4
	NO PCP	12.1	7.4	7.4	4.3	2.7	3.8	18.3	24.9	.0	13.8	94.7	
	TOT 3	12.2	7.5	7.5	4.3	2.7	3.8	18.3	25.0	.0	13.8	95.1	
TOT OBS													
TOT PCT													
7376													

TABLE 5

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (M)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.1	.1	.0	.1	.0	.0	.1	.1	.0	.0	.0	.4
5<10	0-3	.1	.1	.1	.1	.1	.0	.2	.2	.0	.4	.4	1.4
	4-10	.2	.2	.3	.2	.1	.1	.5	.7	.0	.7	.7	2.3
	11-21	.1	.1	.1	.0	.0	.0	.1	.2	.0	.4	.4	.6
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	TOT 3	.4	.4	.5	.3	.2	.1	.8	1.2	.0	.4	.4	4.4
10<	0-3	2.9	1.8	1.4	1.1	.8	1.0	3.4	3.4	.0	14.2	10.0	
	4-10	8.0	5.1	5.1	2.7	1.7	2.6	12.8	16.8	.0	50.8	50.8	
	11-21	1.1	.4	.8	.6	.2	.2	2.0	4.7	.0	9.9	9.9	
	22+	.0	.1	.0	.0	.0	.0	.1	.0	.0	.2	.2	
	TOT 3	12.1	7.4	7.3	4.3	2.7	3.7	18.2	24.9	.0	14.2	74.9	
TOT OBS													
TOT PCT													
7376													

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1861-1974

DECEMBER

AREA 0006 MANZANILLO SE
17.64 102.96

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	100 599	600 999	1000 1999	2000 3499	3500 4999	6500 7999	8000+	TOTAL 14.9	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.2	.1	.5	2.8	4.6	2.7	2.0	.4	.3	.7	14.9	1648
0600Z	.3	.0	.3	2.5	3.7	2.9	1.6	.5	.1	.7	12.6	1505
12015	.3	.1	.4	2.6	4.5	1.7	1.3	.4	.4	.7	12.4	1410
18021	.1	.1	.2	2.1	3.7	2.7	1.5	.4	.4	.5	12.1	1723
TOT	16	3	23	158	264	159	102	37	20	41	923	6326
PCT	.3	.0	.4	2.5	4.2	2.5	1.6	.6	.3	.6	13.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.1	.1	.0	.5	4.6	94.8	1939
0600Z	.2	.0	.1	.4	4.9	94.3	1846
12015	.2	.1	.1	.3	5.1	94.2	1807
18021	.2	.0	.0	.5	3.5	95.8	2084
TOT	12	3	5	33	345	7258	7656
PCT	.2	.0	.1	.4	4.5	94.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.3	.9	3.9	11.7	84.4	1568
0600Z	.3	.7	3.5	9.7	96.8	1439
12015	.5	1.0	3.9	9.5	86.6	1369
18021	.1	.5	3.1	9.2	87.7	1653
TOT	18	46	217	606	5206	6029
PCT	.3	.8	3.6	10.1	86.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/95	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
90/94	.0	.0	.0	.0	.0	.1	.1	.0	38	.6
85/89	.0	.0	.0	.3	2.0	2.7	.0	.2	365	6.1
80/84	.0	.0	.0	.8	10.4	24.8	15.6	3.0	3571	59.6
75/79	.0	.0	.0	.3	1.8	12.6	13.7	3.1	1888	31.5
70/74	.0	.0	.0	.0	.1	.4	.0	.6	120	2.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
TOTAL	.0	.0	.5	99	869	2733	1866	436	5988	100.0
PCT	.0	.0	.1	1.7	14.5	45.6	31.2	6.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.1	.0	.0	.0	.1	.2	.0	.0
85/89	.0	.5	.7	.4	.1	.3	1.1	1.2	.0	1.1
80/84	7.0	4.0	4.7	2.7	2.1	2.7	12.8	14.3	.0	9.2
75/79	4.7	2.9	2.5	1.2	.7	.8	5.1	9.3	.0	4.4
70/74	.4	.3	.2	.0	.0	.0	.2	.7	.0	.2
65/69	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	13.0	7.8	8.1	4.4	2.9	3.8	19.3	25.7	.0	14.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	96	88	86	81	77	74	75	81.3	1975
0600Z	96	84	83	80	75	72	67	79.4	1876
12015	84	83	82	76	74	72	68	79.8	1849
18021	96	91	87	82	77	74	68	81.9	2172
TOT	96	88	85	81	76	72	67	80.5	7892

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.7	17.8	49.7	24.9	5.9	76	1588
0600Z	.0	.7	7.4	45.2	37.9	8.7	79	1538
12015	.0	.4	6.0	38.6	44.0	11.0	81	1428
18021	.0	3.8	24.4	47.9	20.9	3.1	74	1663
TOT	.0	108	489	2832	1953	435	77	6217

DECEMBER

PERIOD: (PRIMAVER) 1953-1970
(OVER-ALL) 1961-1970

AREA 0004 MANZANILLO SE
17.64 102.96

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIFF	65 68	69 72	73 74	77 80	81 84	85 88	89 92	92	TOT	% FOG	% FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
11/13	.0	.0	.0	.0	.1	.0	.0	.0	15	.0	.2
9/10	.0	.0	.0	.0	.1	.1	.0	.0	14	.0	.2
7/8	.0	.0	.0	.0	.3	.3	.3	.0	57	.0	.9
6	.0	.0	.0	.1	.3	.2	.2	.0	50	.0	.7
5	.0	.0	.0	.1	.6	.5	.2	.0	97	.0	1.4
4	.0	.0	.0	.3	.9	.6	.1	.0	126	.0	1.9
3	.0	.0	.1	.9	.9	.7	.0	.0	140	.0	2.1
2	.0	.0	.0	.6	3.1	1.0	.0	.0	315	.0	4.7
1	.0	.0	.1	1.0	3.2	1.0	.0	.0	353	.0	5.1
0	.0	.0	.1	3.1	7.4	.9	.0	.0	784	.0	11.8
-1	.0	.0	.3	3.6	7.1	.9	.0	.0	762	.0	11.4
-2	.0	.0	.6	7.2	8.7	.1	.0	.0	1097	.0	16.4
-3	.0	.0	.6	7.2	5.0	.0	.0	.0	983	.0	12.9
-4	.0	.1	1.3	7.6	3.3	.0	.0	.0	818	.0	12.2
-5	.0	.1	1.0	5.4	1.8	.0	.0	.0	555	.0	8.3
-6	.0	.1	.9	2.9	.3	.0	.0	.0	272	.0	4.0
-7/-8	.0	.1	1.2	2.4	.5	.0	.0	.0	264	.0	3.9
-9/-10	.0	.2	.4	.4	.0	.0	.0	.0	78	.0	.1
-11/-13	.0	.1	.1	.0	.0	.0	.0	.0	18	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	7	83	466	2837	2909	340	5	5	6645	.1	99.9
PCT	.1	.6	6.6	42.4	43.5	5.8	.9	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

SEA HEIGHT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
0-1	1.8	2.4	.0	.0	.0	.0	4.3	1.2	1.8	.0	.0	.0	.0	3.0
1-2	.9	4.4	.7	.0	.0	.0	6.0	.5	3.0	.4	.0	.0	.0	4.9
3-4	.3	1.3	.4	.0	.0	.0	2.1	.1	.7	.2	.0	.0	.0	1.0
5-6	.0	.3	.2	.0	.0	.0	.5	.0	.3	.1	.0	.0	.0	.4
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.0	8.3	1.5	.0	.0	.0	13.0	1.8	6.9	.9	.1	.0	.0	9.9

SEA HEIGHT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
0-1	.7	1.4	.0	.0	.0	.0	2.3	.4	1.1	.1	.0	.0	.0	1.6
1-2	.1	3.3	.6	.0	.0	.0	4.0	.2	1.1	.1	.0	.0	.0	1.4
3-4	.2	.9	.3	.0	.0	.0	1.5	.1	.6	.5	.0	.0	.0	1.1
5-6	.0	.2	.2	.0	.0	.0	.5	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.0	1.2	.0	.0	.0	8.2	.9	2.9	.7	.0	.0	.0	4.5

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

ANNUAL

APEF 0006 PANZANILLO SE
17.4N 102.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SMR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LINE	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG	WFA
N	1.8	.8	.7	.0	.0	.0	*	3.1	1.2	2.4	.2	*	1.5	*	91.5	
NE	3.3	1.0	1.2	.0	.0	.0	.0	5.4	1.8	3.7	.3	.0	2.4	.0	87.0	
E	4.0	1.9	1.2	.0	.0	.0	*	6.9	3.2	2.7	.1	.0	2.2	.1	81.1	
SE	3.3	1.8	.9	.0	.0	.0	*	5.5	2.9	2.2	.1	*	1.7	.1	87.1	
S	2.8	1.3	.9	.0	.0	.0	*	4.8	2.4	2.2	.1	.0	1.6	*	86.1	
SW	1.9	1.0	.6	.0	.0	*	*	3.5	1.6	2.0	.4	.0	1.9	.0	90.6	
W	1.1	.5	.3	.0	.0	.0	*	1.9	.9	2.1	.2	.0	1.6	*	93.3	
NW	1.1	.5	.3	.0	.0	.0	*	1.9	.8	2.4	.2	.0	1.2	.1	92.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.3	.3	.0	.0	.0	.0	1.2	.7	3.0	.2	.0	1.6	*	91.4	
TOT PCT	1.9	.9	.6	.0	.0	.0	*	3.3	1.5	2.4	.2	*	1.7	*	91.0	
TOT OBS:	98566															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SMR	DRZL	FRZG PCPN	SNOW PCPN	OTH ¹ FRZG PCPN	MAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LINE	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG	WFA
0000	1.2	.6	.4	.0	.0	.0	.0	2.2	.9	.5	.1	.0	1.6	*	94.7	
0600	1.9	1.0	.6	.0	.0	.0	*	3.4	1.6	5.4	.2	*	1.1	*	88.5	
1200	3.2	1.4	.8	.0	.0	.0	*	5.3	2.1	4.2	.3	*	1.6	*	86.7	
1800	1.5	.7	.5	.0	.0	.0	*	2.7	1.4	.2	.2	.0	2.3	.3	93.7	
TOT PCT	1.9	.9	.6	.0	.0	.0	*	3.3	1.5	2.4	.2	*	1.7	*	90.6	
TOT OBS: 101762																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
		4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21	
N	2.0	5.5	.9	*	*	*		8.5	6.5	4.2	4.7	7.4	4.9	12.6	10.4	9.9	4.5	
NE	3.1	3.2	.4	*	*	*		4.8	6.5	1.9	2.2	3.2	3.1	7.4	7.8	6.2	4.4	
E	1.2	4.3	1.6	.4	.1	*		7.5	8.4	3.8	5.2	5.7	4.5	9.7	10.2	10.6	9.8	
SE	3.1	4.4	2.1	.5	.1	*		8.2	8.5	8.0	9.0	7.2	4.2	6.4	8.4	10.4	10.4	
S	1.0	2.9	.7	.1	*	*		4.6	6.7	7.0	5.1	4.1	5.4	2.6	2.9	4.7	5.2	
SW	1.2	3.7	.5	.1	*	*		5.5	6.5	10.3	6.7	4.4	4.5	2.6	3.4	4.4	6.2	
W	3.3	16.0	5.2	.2	*	*		24.8	8.1	37.3	31.9	26.7	34.3	16.4	18.7	18.6	22.3	
NW	3.0	15.6	5.7	.2	*	*		24.6	8.3	21.2	26.4	28.9	23.5	26.5	29.0	21.8	24.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	11.4							11.4	.0	6.7	8.9	12.1	6.7	15.2	9.1	13.2	4.3	
TOT OBS							105317		7.1	24721	1850	23275	1383	22704	2840	26440	1671	
TOT PCT	25.2	55.8	17.2	1.5	.2	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	12
N	5.2	3.2	.2	*	*		8.5	6.5	4.2	7.7	12.3
NE	3.1	1.6	.1	*	*		4.8	6.5	1.9	3.2	7.8
E	3.5	3.1	.7	.2	*		7.5	8.4	3.9	5.7	9.8
SE	3.4	3.6	1.0	.2	*		8.2	8.5	8.1	7.2	6.7
S	2.6	1.8	.2	*	*		4.6	6.7	6.9	4.2	2.7
SW	3.4	2.0	.1	*	*		5.5	6.5	10.0	4.6	2.7
W	11.3	12.6	1.1	.1	*		24.8	8.1	37.0	27.1	16.8
NW	10.4	12.8	1.2	.1	*		24.6	8.3	21.6	28.6	26.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	11.4						11.4	.0	6.5	11.8	14.5
TOT OBS					105317		7.1	24571	24658	25568	28520
TOT PCT	53.9	40.7	4.7	.6	.1		100.0		100.0	100.0	100.0

AREA 0006 MAHZAHILO SE
17.64 102.94

PERCENTAGE FREQUENCY OF WIND SPEED BY MONTH (CONT.)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	6.5	11.3	58.1	27.0	1.8	.3	.1	8.1	100.0	26571
0600	11.6	11.5	55.3	19.5	1.6	.2	.1	7.5	100.0	24658
1205	14.5	14.2	55.7	14.1	1.3	.2	*	6.5	100.0	25526
1802	12.7	17.6	54.1	13.6	1.4	.3	*	6.5	100.0	25850
	11.4	11.8	55.8	17.2	1.5	.2	*	7.1	100.0	10531

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, IN $\geq 4/8$)
AND OCCURRENCE OF IN $\leq 5/8$ BY WIND DIRECTION

WNO	OIP	0-2	3-4	5-7	8 & OBSCT	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 3499	2000 4999	3500 6499	5000 7999	6500 8000+	NH AMY	<5/8 HGT	TOTAL OBS
N		4.0	1.9	2.0	.8		3.5	.	.	.1	.5	.2	.1	.	.	.	.	7.3	
NE		1.0	1.0	1.3	.		3.0	.	.	.1	.2	.3	.2	.1	.	.	.	3.7	
E		1.9	1.6	2.4	1.6		4.3	.1	.1	.2	.6	.8	.3	.2	.1	.	.	5.0	
SE		1.6	1.7	3.0	1.8		4.3	.1	.1	.2	.7	1.0	.4	.2	.1	.	.	5.4	
S		1.2	1.1	1.6	.9		4.0	.	.	.1	.3	.4	.2	.1	.	.	.	3.5	
SW		1.0	1.3	1.6	.7		3.7	.	.	.	.3	.4	.2	.1	.	.	.	4.3	
W		11.2	6.0	6.0	1.9		3.3	.1	.	.2	.8	1.4	.7	.3	.1	.1	.	21.4	
NW		11.5	5.4	5.5	1.9		3.3	.1	.	.1	.7	1.4	.7	.3	.1	.1	.	20.8	
VAD		.0	.0	.0	.0		3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	
CALW		5.6	2.6	2.5	.7		3.1	.	.	.1	.3	.5	.3	.1	.	.	.	10.0	
TOT OBS						80503	3.5												80503
TOT PCT						100.0													100.0
								.5	.3	1.0	4.3	6.8	3.1	1.5	.5	.3	.3	81.4	

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MM) AND VSBY (MM)

	VSRY (4M)							
	CEILING (FEET)	± OR ≥ 10	± OR ≥ 15	± OR ≥ 22	± OR ≥ 31	± OR ≥ 11/2	± OR ≥ 17/4	± OR ≥ 50YD
± OR ≥ 6500	.6	.6	.6	.6	.6	.6	.6	.6
± OR ≥ 5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
± OR ≥ 3500	2.3	2.5	2.6	2.6	2.6	2.6	2.6	2.6
± OR ≥ 2000	5.0	5.6	5.6	5.7	5.7	5.7	5.7	5.7
± OR ≥ 1000	10.7	12.1	12.4	12.4	12.4	12.4	12.4	12.4
± OR ≥ 500	13+6	16.2	16.6	16.7	16.7	16.7	16.7	16.7
± OR ≥ 300	17+6	17.7	17.5	17.5	17.5	17.5	17.5	17.5
± OR ≥ 150	14+5	17.2	17.7	7.9	17.9	17.9	18.0	18.0
± OR ≥ 0	14+7	17.5	18.2	18.3	18.4	18.4	18.5	18.5

PC7 FREQ 4.4 45/8. 81.5

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
21.2	19.9	18.0	13.5	8.4	5.1	4.9	3.5	5.0	.4	27610

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1881-1979

ANNUAL

AREA 0006 MANZANILLO SE
17.6N 102.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	.0	.0	.1	
	NO PCP	0	0	0	0	.0	0	0	0	.0	0	.0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1/2<1	PCP	0	0	0	0	0	0	0	0	.0	0	.1	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	PCP	0	0	0	0	0	0	0	0	.0	0	.2	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	.1	
	TOT %	0	0	0	.1	0	0	0	0	.0	0	.2	
2<5	PCP	0	0	.1	.1	0	0	.1	0	.0	0	.5	
	NO PCP	0	0	.1	.1	0	0	.1	.1	.0	0	.4	
	TOT %	.1	.1	.2	.2	.1	.1	.1	.1	0	0	.9	
5<10	PCP	.1	.1	.3	.3	.1	.1	.2	.1	.0	0	1.3	
	NO PCP	.4	.3	.6	.7	.3	.3	1.3	1.2	.0	.6	5.8	
	TOT %	.5	.4	.9	1.0	.5	.4	1.4	1.4	.0	.6	7.1	
10+	PCP	.1	.1	.2	.3	.1	.1	.2	.2	.0	.1	1.2	
	NO PCP	7.9	4.2	6.2	6.7	4.0	4.9	23.4	22.9	.0	10.3	90.4	
	TOT %	8.0	4.3	6.4	7.0	4.1	5.0	23.3	23.1	.0	10.4	91.6	
TOT OBS													98309
TOT PCT		8.6	4.8	7.5	8.2	4.7	5.5	24.7	24.6	.0	11.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	.0	.0	0	.0	0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	.1	
	11-21	0	0	0	0	0	0	0	0	.0	0	0	
	22+	0	0	0	0	0	0	0	0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.2	
1/2<1	0-3	.0	0	.0	.0	.0	.0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	0	
	11-21	0	0	0	0	0	0	0	0	.0	0	0	
	22+	0	0	0	0	0	0	0	.0	.0	0	0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	0-3	0	0	0	0	0	0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0	0	.1	
	11-21	0	0	0	0	0	0	0	0	.0	0	.1	
	22+	0	0	0	0	0	0	0	0	.0	0	.1	
	TOT %	0	0	.1	.1	0	0	0	0	.0	0	.3	
2<5	0-3	0	0	0	0	0	0	0	0	.0	.1	.2	
	4-10	0	0	.1	.1	0	0	.1	.1	.0	0	.4	
	11-21	0	0	.1	.1	0	0	0	0	.0	0	.4	
	22+	0	0	.1	.1	0	0	0	0	.0	0	.2	
	TOT %	.1	.1	.2	.3	.1	.1	.2	.2	.0	.1	1.1	
5<10	0-3	.1	.1	.1	.1	.1	.1	.2	.2	.0	.6	1.4	
	4-10	.3	.2	.3	.4	.2	.2	.8	.8	.0	3.3		
	11-21	.1	.1	.3	.3	.1	.1	.3	.3	.0	1.7		
	22+	0	0	.2	.2	0	0	.1	0	.0	.5		
	TOT %	.5	.4	.9	1.0	.5	.4	1.4	1.4	.0	.6	7.0	
10+	0-3	1.9	1.0	1.1	1.0	.9	1.1	3.0	2.8	.0	10.6	23.3	
	4-10	5.2	3.0	3.9	3.9	2.7	3.4	15.1	14.7	.0	51.9		
	11-21	.8	.3	1.2	1.7	.5	.4	4.9	5.3	.0	15.1		
	22+	0	0	.3	.3	.1	0	.2	.2	.0	.9		
	TOT %	7.9	4.3	6.4	6.9	4.1	5.0	23.2	23.0	.0	10.4	91.3	
TOT OBS													102330
TOT PCT		8.5	4.8	7.5	8.2	4.6	5.5	24.9	24.6	.0	11.2	100.0	

PERIOD: (PR) 1953-1979
(OVER ALL) 1861-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

OUR (MT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0603	.3	.2	.7	3.4	6.3	2.8	1.4	.5	.3	.4	16.3	83.7	22362
0609	.6	.2	1.0	4.3	6.6	2.9	1.4	.3	.2	.4	17.9	82.1	20081
12015	.8	.3	1.4	5.7	7.9	3.3	1.3	.4	.3	.3	21.6	78.4	20358
18021	.4	.2	.9	3.4	5.5	3.0	1.5	.6	.3	.2	16.0	84.0	23613
TOT													86414
PCT	.5	.2	1.0	4.1	6.5	3.0	1.4	.5	.3	.3	17.8	82.2	100.0

TABLE 11

PERCENT FREQ. NCY VSBY (NM) BY HOUR

OUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0603	.1	.1	.2	.7	5.4	93.5	26227
0609	.2	.1	.3	1.2	7.3	1.0	24975
12015	.2	.1	.4	1.7	9.6	87.9	25643
18021	.2	.1	.3	1.0	6.0	92.4	28723
TOT							105573
PCT	.2	.1	.3	1.1	7.0	91.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8, BY HOUR

OUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0603	.3	1.3	5.1	12.0	82.9	21490
0609	.7	2.0	7.0	12.0	81.0	19215
12015	.8	2.7	9.2	17.5	77.2	19514
18021	.4	1.6	5.6	11.2	83.2	22650
TOT						82869
PCT	.6	1.9	6.6	12.1	81.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELAT HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
90/94	.0	.0	.0	.2	.8	.4	.2	.0	1.6	.1
85/89	.0	.0	.0	.3	3.2	8.4	2.4	.5	14.9	1.0
80/84	.0	.0	.0	.5	6.1	22.9	19.3	3.4	52.2	4.3
75/79	.0	.0	.0	.2	1.6	10.1	10.5	4.3	26.8	2.7
70/74	.0	.0	.0	.0	.2	.9	1.9	1.1	4.2	.5
65/69	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									82433	100.0
PCT	.0	.0	.1	1.5	12.0	42.8	34.3	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.1	.1	.1	.1	.4	.3	.0	.2
85/89	1.0	.6	1.1	1.5	.9	1.0	4.0	3.1	.0	1.7
80/84	4.3	2.6	4.3	4.7	2.7	3.0	12.8	11.6	.0	6.2
75/79	2.7	1.3	1.8	1.6	.9	1.1	6.6	7.8	.0	3.1
70/74	.5	.2	.2	.1	.1	.1	1.0	1.6	.0	.4
65/69	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.6	4.8	7.6	8.1	4.6	5.4	24.9	24.5	.0	11.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

OUR (GMT)	MAX	99%	90%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0603	99	90	87	82	77	74	63	72.3	26897
0609	97	85	84	80	75	73	63	80.1	25332
12015	95	84	83	80	75	72	60	79.2	26355
18021	99	88	83	77	74	74	64	82.7	29254
TOT	99	90	86	81	76	73	60	81.1	107838

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0603	.0	1.5	15.4	56.5	26.2	6.0	77	21509
0609	.0	.6	5.5	37.8	43.7	11.5	81	20847
1215	.0	.4	4.2	32.4	47.3	15.4	82	20333
1821	.0	2.9	20.4	48.5	22.2	5.4	75	22665
TOT	0	1150	9983	36370	27514	6137	79	85154

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

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TABLE 17

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP GTF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	% FOG	% FOG
29/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	230	.0	.2
9/10	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	431	.0	.5
7/8	.0	.0	.0	.0	.0	.1	.2	.3	.1	.1	645	.0	1.0
6	.0	.0	.0	.0	.0	.1	.2	.3	.3	.0	641	.0	.9
5	.0	.0	.0	.0	.0	.1	.2	.5	.6	.4	1465	.0	1.8
4	.0	.0	.0	.0	.0	.1	.3	.9	1.0	.4	2476	.0	2.7
3	.0	.0	.0	.0	.0	.1	.4	.6	1.1	.3	2514	.0	2.7
2	.0	.0	.0	.0	.0	.2	.8	2.3	2.0	.7	5150	.0	5.5
1	.0	.0	.0	.0	.0	.2	1.0	2.6	2.0	.1	5642	.0	6.1
0	.0	.0	.0	.0	.1	.6	2.6	6.5	7.7	.1	11804	.0	12.5
-1	.0	.0	.0	.0	.1	.7	2.8	6.3	1.7	.0	17898	.0	11.6
-2	.0	.0	.0	.0	.1	1.1	4.7	8.1	.6	.0	13756	.0	14.9
-3	.0	.0	.0	.0	.1	1.1	4.2	5.4	.5	.0	10431	.0	11.3
-4	.0	.0	.0	.0	.2	1.5	4.6	4.3	.2	.0	9902	.0	10.6
-5	.0	.0	.0	.0	.2	1.2	3.5	2.4	.1	.0	6766	.0	7.4
-6	.0	.0	.0	.0	.1	.9	2.2	.9	.0	.0	3813	.0	4.1
-7/-8	.0	.0	.0	.0	.2	1.1	2.0	.6	.0	.0	3726	.0	4.0
-9/-10	.0	.0	.0	.0	.1	.5	.5	.1	.0	.0	1246	.0	1.2
-11/-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	404	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	65	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	.0	.0
TOTAL											92329		
PCT	.0	.0	.1	1.4	5.5	10.2	42.5	33.7	2.2	.3	100.0	.7	50.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED INTS, AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	3.5	.0	.0	.0	.0	2.5	.0	1.1	.0	.0	.0	.0	1.7
1-2	.5	3.2	.3	.0	.0	.0	4.2	.3	1.4	.2	.0	.0	.0	2.3
3-4	.1	1.0	.3	.0	.0	.0	1.6	.0	.5	.2	.0	.0	.0	.7
5-6	.0	.2	.2	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	6.0	1.0	.0	.0	.0	8.7	.8	3.5	.6	.0	.0	.0	6.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.0	.0	.0	.0	1.6	.5	1.0	.0	.0	.0	.0	1.6
1-2	.3	2.2	.3	.0	.0	.0	2.9	.3	2.1	.4	.0	.0	.0	2.7
3-4	.1	.3	.6	.0	.0	.0	1.5	.1	.3	.0	.1	.0	.0	1.6
5-6	.0	.2	.4	.1	.0	.0	.7	.0	.2	.5	.1	.0	.0	.8
7	.0	.0	.2	.1	.0	.0	.3	.0	.1	.2	.2	.0	.0	.4
8-9	.0	.0	.1	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.3	1.6	.4	.1	.0	7.3	.8	4.2	2.2	.6	.1	.0	7.1

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.7	.0	.0	.0	.0	1.1	.5	1.0	.0	.0	.0	.0	1.5
1-2	.2	1.6	.2	.0	.0	.0	2.0	.3	2.1	.2	.0	.0	.0	2.6
3-4	.0	.6	.2	.0	.0	.0	.9	.0	.6	.2	.0	.0	.0	.9
5-6	.0	.1	.1	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.0	.7	.1	.0	.0	4.5	.9	3.8	.6	.1	.0	.0	5.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.4	3.2	.1	.0	.0	.0	4.7	1.3	3.2	.1	.0	.0	.0	4.6	
1-2	1.0	9.3	1.8	.0	.0	.0	12.1	1.0	9.4	1.8	.0	.0	.0	12.2	
3-4	.2	3.5	2.3	.0	.0	.0	6.1	.2	3.3	2.8	.1	.0	.0	6.3	
5-6	.0	.5	1.1	.0	.0	.0	1.7	.0	.6	1.1	.1	.0	.0	1.8	
7	.0	.1	.2	.1	.0	.0	.4	.0	.1	.3	.0	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.6	16.7	5.6	.2	.0	.0	25.2	2.5	16.7	6.1	.2	.0	.0	25.6	89.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	17.6	12.7	.3	.0	.0	.0	30.6	0.4
1-2	4.8	31.0	5.1	.0	.0	.0	40.9	
3-4	.8	10.8	7.4	.2	.0	.0	19.2	
5-6	.1	1.8	3.6	.4	.0	.0	6.0	
7	.0	.3	1.0	.4	.0	.0	1.8	
8-9	.0	.1	.3	.2	.0	.0	.7	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.4	56.9	17.9	1.6	.2	.0	100.0	2.839

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<6	6-7	7-9	9-10	10-11	11-12	12-13	13-16	16-19	19-22	22-25	25-28	28-32	32-40	40-48	48-60	60-70	70-86	87+	TOTAL	MEAN HGT
<6	7.7	20.8	15.4	4.9	1.3	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36551
6-7	.2	2.8	6.8	5.2	2.0	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13555
9-10	.1	1.1	2.7	2.3	1.4	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6479
10-11	.0	.9	1.1	.8	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2884
12-13	.0	.0	.8	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1336
13-16	.0	.0	.0	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	597
INDET	9.8	2.0	2.0	.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10928
TOTAL	17.8	27.5	28.7	15.0	5.9	2.5	1.3	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	72130
PCT	17.8	27.5	28.7	15.0	5.9	2.5	1.3	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (FEBRUARY) 1955-1979
 (OCTOBER-ALL) 1961-1979

TABLE 20

AREA 0006 MANZANILLO SE
 17.6N 107.9W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TEMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AN	PC
96+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95/96	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91/92	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89/90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87/88	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85/86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83/84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81/82	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79/80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77/78	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75/76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73/74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71/72	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69/70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67/68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65/66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63/64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61/62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59/60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57/58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55/56	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53/54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51/52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49/50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47/48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45/46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43/44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41/42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39/40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37/38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35/36	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33/34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31/32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29/30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27/28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25/26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7732	7477	8387	8280	9136	8584	8765	8469	8439	8473	7499	7251	98892	100.0
MEAN	81.0	80.2	79.2	78.6	81.9	83.7	84.6	85.2	84.7	84.6	83.7	82.2	82.5	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1012	1013	1013	1012	1013	1013	1014	1012	1013	7622
FEB	1011	1012	1013	1012	1012	1014	1014	1012	1013	7715
MAR	1011	1012	1013	1011	1012	1012	1014	1012	1012	8657
APR	1010	1011	1012	1011	1012	1012	1013	1011	1012	8553
MAY	1010	1011	1012	1010	1011	1011	1012	1010	1011	9502
JUN	1009	1010	1011	1009	1011	1011	1011	1010	1011	8911
JUL	1010	1011	1012	1010	1011	1012	1012	1012	1012	9044
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	8919
SEP	1009	1010	1011	1009	1010	1010	1011	1009	1010	8794
OCT	1010	1010	1012	1009	1011	1011	1012	1010	1011	8786
NOV	1011	1012	1012	1010	1012	1012	1013	1011	1012	8056
DEC	1012	1012	1013	1011	1012	1013	1014	1012	1013	7442
AN	1010	1011	1012	1010	1012	1012	1013	1011	1012	107201
OBS	24009	1136	22923	1471	22415	2200	24325	1772		

PERCENTILES

MO	1%	5%	10%	25%	50%	75%	90%	95%	99%	MAX
JAN	995	1006	1009	1012	1013	1014	1017	1018	1021	
FEB	999	1006	1009	1011	1013	1014	1016	1018	1024	
MAR	1000	1006	1008	1011	1012	1014	1016	1017	1024	
APR	995	1006	1009	1010	1012	1013	1015	1017	1023	
MAY	998	1004	1007	1010	1011	1013	1014	1016	1021	
JUN	995	1003	1006	1009	1011	1012	1014	1015	1023	
JUL	994	1003	1008	1010	1012	1013	1015	1016	1025	
AUG	995	1003	1007	1010	1012	1013	1015	1016	1023	
SEP	995	1002	1006	1009	1010	1012	1014	1015	1020	
OCT	995	1003	1007	1009	1011	1012	1014	1016	1022	
NOV	996	1005	1008	1011	1012	1013	1015	1017	1021	
DEC	994	1007	1009	1011	1013	1014	1016	1018	1026	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

JANUARY

AREA 0007 ACAPULCO SOUTH
15.7N 99.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHLR	DRZL	FRZG PCPN	SNOW	OTHER FZRG PCPN	MAIL	PCPN AT OP TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLKG CLST BLKG SACH	SPRAY CLST	NO SIG WFA
N	.7	.3	.2	.0	.0	.0	.0	1.2	.4	.8	.1	.0	.0	.0	.0	96.4
NE	1.1	.3	.2	.0	.0	.0	.0	1.6	.6	.3	.6	.0	.0	.0	.0	96.3
E	.4	.2	.3	.0	.0	.0	.0	1.0	.3	.2	.1	.0	.0	.0	.0	97.5
SE	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.3	.0	1.1	.0	.0	96.7
S	.0	.4	.0	.0	.0	.0	.0	.4	.4	.9	.0	.0	.0	.0	.0	97.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.3	.2	.0	.0	98.7
W	.4	.6	.0	.0	.0	.0	.0	.4	.2	.3	.2	.0	.3	.0	.0	98.8
NW	.2	.2	.1	.0	.0	.0	.0	.4	.3	.5	.3	.0	.5	.1	.0	97.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.1	.1	.0	.0	.0	.0	.4	.1	.3	.5	.0	1.5	.0	.0	97.3
TOT PCT	.3	.1	.1	.0	.0	.0	.0	.6	.3	.4	.3	.4	.7	.0	.0	97.7
TOT OBS:	6976															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HCLR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLKG DUST BLKG SNOW	NO SIG WFA
0000	.2	.1	.1	.0	.0	.0	.0	.3	.2	.2	.3	.1	.2	.0	98.7
0600	.5	.2	.2	.0	.0	.0	.0	.8	.5	.8	.2	.0	1.0	.0	96.7
1200	.3	.2	.2	.0	.0	.0	.0	.7	.5	.9	.2	.1	.0	.0	98.8
1800	.3	.1	.0	.0	.0	.0	.0	.4	.2	.0	.3	.0	.7	.0	98.3
TOT PCT	.3	.1	.1	.0	.0	.0	.0	.5	.4	.4	.3	.4	.7	.0	97.7
TOT OBS:	7263														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HCLR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	3.2	7.2	.9	.1	.0	.0		11.5	6.1	5.3	4.7	9.2	3.9	16.3	14.2	15.2	11.7	
NE	1.6	5.4	1.0	.2	.0	.0		8.3	7.2	4.7	6.0	6.8	7.4	10.0	12.7	11.2	7.0	
E	1.6	5.6	1.1	.2	.0	.0		8.5	7.4	6.3	5.3	7.4	3.7	9.1	7.3	11.6	3.5	
SE	1.7	3.0	.4	.0	.0	.0		4.8	6.1	5.5	2.3	4.8	5.4	2.7	4.7	6.2	3.1	
S	.7	2.4	.2	.0	.0	.0		3.3	5.8	6.1	1.7	3.4	3.4	1.5	.8	2.7	3.5	
SW	1.5	4.1	.4	.0	.0	.0		6.0	5.7	12.8	10.3	5.7	10.6	2.0	3.3	3.4	6.5	
W	3.4	15.2	2.7	.0	.0	.0		21.7	6.9	37.9	35.2	23.4	36.0	11.5	15.0	13.2	25.2	
NW	3.6	13.9	2.1	.0	.0	.0		19.7	6.6	13.1	14.5	19.3	19.8	25.0	24.3	20.4	27.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	16.3							16.3	.0	8.2	20.0	19.9	13.8	21.9	17.7	15.8	11.9	
TOT OBS	2552	4325	664	44	2	0	7592		5.5	1709	150	1632	116	1623	220	2007	135	
TOT PCT	33.6	57.0	8.7	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HCLR (GMT)							
		7-16	17-27	28-40						00	03	06	09	12	15	18	21
N	7.8	1.4	.2	.0	.0		11.5	6.1	5.3	4.7	9.2	3.9	16.3	14.2	15.2	11.7	
NE	4.9	2.9	.4	.0	.0		8.3	7.2	4.7	6.0	6.8	7.4	10.0	12.7	11.2	7.0	
E	4.7	3.3	.4	.1	.0		8.5	7.4	6.3	5.3	7.4	3.7	9.1	7.3	11.6	3.5	
SE	3.2	1.4	.1	.0	.0		4.8	6.1	5.5	2.3	4.8	5.4	2.7	4.7	6.2	3.1	
S	2.2	1.0	.0	.0	.0		3.3	5.8	6.1	1.7	3.4	3.4	1.5	.8	2.7	3.5	
SW	4.1	1.9	.0	.0	.0		6.0	5.7	12.8	10.3	5.7	10.6	2.0	3.3	3.4	6.5	
W	12.1	9.3	.2	.0	.0		21.7	6.9	37.9	35.2	23.4	36.0	11.5	15.0	13.2	25.2	
NW	11.4	8.0	.2	.0	.0		19.7	6.6	13.1	14.5	19.3	19.8	25.0	24.3	20.4	27.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	16.3						16.3	.0	8.2	20.0	19.9	13.8	21.9	17.7	15.8	11.9	
TOT OBS	5073	2387	125	11	1	7592			5.5	1709	150	1632	116	1623	220	2007	135
TOT PCT	66.8	31.4	1.6	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

JANUARY

PERIOD (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979AREA CDD7 ACAPULCO SOUTH
15.7N 96.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000Z	9.1	14.8	63.6	11.6	.8	.0	.0	6.5	100.0	1859	
0600Z	19.5	15.5	55.1	9.3	.7	.0	.0	5.5	100.0	1748	
1200Z	21.4	16.1	54.6	7.3	.5	.1	.0	5.1	100.0	1843	
1800Z	15.5	22.0	54.8	7.0	.6	.0	.0	5.1	100.0	2142	
TOT	1237	1315	4325	464	49	2	0	5.5		7592	
PCT	16.3	17.3	57.0	6.7	.6	.0	.0	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-1	TOTAL CLOUD OBS	TOTAL CLOUD OBS	MEAN COVER
N	7.8	2.2	1.3	.4		2.1	
NE	5.6	1.5	.8	.3		2.0	
E	5.3	1.4	1.4	.2		2.4	
SE	2.7	1.1	.8	.1		2.5	
S	2.2	.8	.3	.1		2.0	
SW	3.7	.3	.8	.1		2.1	
W	14.8	.1	2.4	.3		1.9	
NW	14.0	3.6	1.9	.4		1.8	
VAR	.0	.0	.0	.0		.0	
CALM	11.4	2.7	1.6	.2		1.7	
TOT OBS	3850	1104	639	118	5711	2.0	
TOT PCT	67.4	19.3	11.2	2.1	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) >4/P
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

BY WIND DIRECTION							AND OCCURRENCE OF WP (KMP) BY WIND DIRECTION												
WIND DIR	0-2	3-4	5-7	8-1	TOTAL	MEAN	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH	5/P	TOTAL
				OBS	OBS	COVER	149	299	599	999	1999	3999	4999	6999	7999		ANY	PCT	OBS
N	7.8	2.2	1.3	.4		2.1	0	.0	0	.1	.2	.1	.2	0	0	0	0	11.0	
NE	5.6	1.5	.8	.3		2.0	0	.0	0	.2	.1	.1	0	0	0	0	0	7.7	
E	5.3	1.4	1.4	.2		2.4	0	.0	.1	.1	.2	.2	.1	0	0	0	0	7.6	
SE	2.7	1.1	.8	.1		2.5	.0	0	0	.1	.2	.1	0	0	0	.0	.0	6.2	
S	2.2	.8	.3	.1		2.0	.0	.0	.0	.1	.1	0	0	0	.0	.0	.0	5.1	
SW	3.7	.3	.8	.1		2.1	.0	.0	0	.1	.2	0	0	0	0	0	.0	5.6	
W	14.8	.1	2.4	.3		1.9	0	0	0	.1	.3	.2	.1	.0	0	0	0	20.6	
NW	14.0	3.6	1.9	.4		1.8	.0	.0	0	.2	.2	.2	.1	.1	.1	0	0	19.0	
VAR	.0	.0	.0	.0		.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	11.4	2.7	1.6	.2		1.7	.0	.0	.1	.3	.2	.2	.1	0	0	0	0	15.1	
TOT OBS	3850	1104	639	118	5711	2.0	0	1	13	60	102	71	36	13	10	11	5708	5711	
TOT PCT	67.4	19.3	11.2	2.1	100.0		.1	.1	2	1.1	1.8	1.2	.6	.2	.2	.2	94.3	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/P) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	< OR >10	< OR >5	< OR >2	< OR >1	< OR >1/2	< OR >1/4	< OR >5000	< OR >0
< OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
< OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
< OR >3500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
< OR >2000	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
< OR >1000	4.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2
< OR >600	5.0	5.2	5.3	5.3	5.3	5.3	5.3	5.3
< OR >300	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.5
< OR >150	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.5
< OR >0	5.3	5.5	5.6	5.6	5.6	5.6	5.6	5.6
TOTAL	314	327	332	333	333	333	334	334

TOTAL NUMBER OF OBS: 5947

PCT FREQ NH <5/P: 94.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
34.6	20.2	16.9	9.8	4.3	2.3	1.7	1.1	1.0	.1	6277

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

JANUARY

AREA 0007 ACAPULCO SOUTH
15.7N 99.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
	NO PCP	0	+0	+0	+0	+0	+0	+0	0	+0	+1	+1	
	TOT %	0	+0	+0	+0	+0	+0	+0	0	+0	+1	+1	
1/2<1	PCP	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
	NO PCP	+0	0	+0	+0	+0	+0	+0	+0	+0	+0	+0	0
	TOT %	+0	0	+0	+0	+0	+0	+0	+0	+0	+0	+0	0
1<2	PCP	0	0	0	+0	+0	+0	+0	+0	+0	+0	0	0
	NO PCP	+0	+0	+0	0	+0	+0	+0	+0	+0	+0	+0	0
	TOT %	0	0	0	0	+0	+0	+0	+0	+0	+0	+0	+1
2<5	PCP	0	0	0	0	+0	+0	0	0	0	+0	+0	+1
	NO PCP	+0	0	0	0	+0	0	0	0	+0	0	0	+1
	TOT %	0	0	+1	0	+0	0	0	+1	+0	0	0	+2
5<10	PCP	0	+1	0	0	+0	+0	0	0	+0	0	0	+2
	NO PCP	+0	+2	+0	+2	+1	+2	+5	+5	+0	+3	3.0	
	TOT %	+0	+0	+0	+2	+1	+2	+5	+5	+0	+3	3.1	
10+	PCP	+1	0	0	0	0	+0	+0	0	+0	0	+2	
	NO PCP	11.0	7.8	8.2	4.5	3.1	5.8	21.2	19.4	+0	15.1	96.3	
	TOT %	11.1	7.9	8.3	4.5	3.2	5.8	21.2	19.4	+0	15.2	96.5	
TOT OBS													
TOT PCT													
6950													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	0	+0	+0	+0	+0	+0	0	0	+0	+1	+1	
	4-10	0	0	0	+0	+0	+0	0	0	+0	0	0	
	11-21	+0	0	+0	+0	+0	+0	+0	+0	+0	0	0	
	22+	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
	TOT %	0	0	0	+0	+0	+0	0	0	+0	+1	+2	
1/2<1	0-3	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
	4-10	+0	0	+0	+0	+0	+0	+0	+0	+0	+0	0	
	11-21	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
	22+	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
	TOT %	+0	0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
1<2	0-3	+0	+0	+0	+0	+0	+0	0	+0	+0	+0	0	
	4-10	+0	0	+0	0	+0	+0	+0	+0	+0	+0	0	
	11-21	0	0	0	+0	+0	+0	0	+0	+0	+0	0	
	22+	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
	TOT %	0	0	0	0	+0	+0	0	+0	+0	+0	+1	
2<5	0-3	0	0	0	+0	+0	+0	0	+0	0	0	+1	
	4-10	0	0	+1	0	+0	0	0	0	+0	0	+2	
	11-21	+0	+0	0	0	+0	0	0	0	+0	0	+1	
	22+	+0	+0	0	0	+0	+0	+0	+0	+0	+0	0	
	TOT %	0	0	+1	0	+0	0	0	+1	+0	0	+4	
5<10	0-3	+1	0	+1	+1	0	0	+2	+1	+0	0	1.0	
	4-10	+2	+3	+2	+1	+1	+1	+3	+4	+0	0	1.6	
	11-21	+1	0	+1	0	0	0	0	0	+0	0	0.4	
	22+	+0	0	0	+0	+0	+0	+0	+0	+0	0	+1	
	TOT %	+0	+0	+0	+3	+1	+2	+5	+5	+0	+3	3.1	
10+	0-3	3.0	1.5	1.5	1.2	0.7	1.4	3.4	3.5	+0	15.4	22.3	
	4-10	7.0	5.1	5.4	2.9	2.3	4.0	14.8	13.4	+0	0	55.1	
	11-21	+0	+0	1.0	+0	+2	+3	2.4	2.1	+0	0	8.3	
	22+	+1	+2	+2	+0	+0	+0	0	0	+0	0	0.4	
	TOT %	11.0	7.7	8.1	4.5	3.2	5.8	21.3	19.0	+0	15.4	96.3	
TOT OBS													
TOT PCT													
7350													

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

JANUARY

AREA 0007 ACAPULCC SOUTH
15.7N 99.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	500 1999	600 3999	700 6999	800 7999	900 8000+	TOTAL	NM <5/8 BY HGT	TOTAL OBS
0000	.0	.0	.2	1.1	1.7	1.3	.6	.2	.3	5.5	94.5	1557
0600	.1	.1	.1	.8	1.6	1.5	.3	.1	.1	4.9	95.1	1457
1200	.1	.0	.1	1.4	2.2	.9	.8	.3	.1	6.1	93.9	1465
1800	.1	.1	.4	.9	1.4	1.1	.6	.2	.2	5.1	94.9	1751
TOT	5	3	13	64	106	75	36	13	10	336	5892	6228
PCT	.1	.0	.2	1.0	1.7	1.2	.6	.2	.2	5.4	94.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.0	.1	.3	2.1	97.4	1839
0600	.2	.0	.1	.4	4.0	95.3	1803
1200	.1	.1	.2	.4	4.1	95.3	1865
1800	.2	.0	.1	.4	2.9	96.4	2164
TOT	13	2	7	29	249	7373	7673
PCT	.2	.0	.1	.4	3.2	96.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<400 <1	<1000 <5	1000+ ANDS+	NM <5/8 ANDS+	TOTAL OBS
0000	.1	.3	1.4	4.3	94.3	1479
0600	.1	.4	1.4	3.9	94.5	1398
1200	.1	.2	1.8	4.7	93	1407
1800	.1	.7	1.8	3.8	94	1669
TOT	6	23	96	248	51	5947
PCT	.1	.4	1.6	4.2	94.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.0	.0	.0	.0	5	.1
90/94	.0	.0	.0	.2	.3	.1	.1	.0	40	.7
85/89	.0	.0	.0	.5	2.8	2.8	.5	.2	394	6.8
80/84	.3	.0	.2	1.0	12.1	31.0	14.8	2.7	3716	63.8
75/79	.0	.0	.1	.3	1.4	11.0	11.2	3.5	1609	27.6
70/74	.0	.0	.0	.0	.0	.3	.3	.4	61	1.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	14	115	986	2748	1568	395	5826	100.0
PCT	.0	.0	.2	2.0	16.9	47.2	26.9	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VFA	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.1
90/94	.1	.1	.1	.0	.0	.1	.1	.1	.0
85/89	.0	.5	.5	.4	.2	.4	1.7	1.4	.0
80/84	.0	4.9	5.2	3.1	2.5	4.5	15.3	12.4	.0
75/79	3.7	2.6	2.8	1.1	.6	1.1	4.5	5.6	.0
70/74	.2	.2	.1	.0	.0	.0	.1	.2	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	11.4	8.3	8.8	4.6	3.3	6.0	21.7	19.7	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	992	952	502	52	12	MIN	MEAN	TOTAL OBS
0000	94	89	86	82	78	75	68	81.7	1893
0600	96	84	82	80	77	74	68	79.9	1834
1200	95	84	82	79	75	71	70	78.9	1912
1800	95	80	87	82	78	75	70	82.2	2209
TOT	96	88	85	81	77	74	68	80.7	7888

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	90-119	120-149	150-179	180-209	MEAN	TOTAL OBS
0000	.0	2.4	22.4	50.3	19.8	4.4	75	1459	
0600	.0	1.0	9.3	49.8	32.4	7.6	79	1437	
1200	.0	1.2	7.7	41.2	39.1	10.7	80	1467	
1800	.0	3.9	25.8	47.5	18.4	4.5	74	1681	
TOT	.0	1.1	12.2	28.7	16.2	4.1	77	6074	

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

TABLE 17

AREA 0007 ACAPULCO SOUTH
15.7N 99.0EPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE (C) REFERENCE (DEG F)

AIR-SEA TEMP DIFF	65	69	73	77	81	85	89	92	TOT	NO FOG	FOG
17/15	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
14/14	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
11/11	.0	.0	.0	.0	.1	.0	.1	.1	21	.0	.3
9/10	.0	.0	.0	.0	.2	.0	.1	.0	22	.0	.3
7/8	.0	.0	.0	.1	.4	.3	.0	.0	83	.0	1.3
6	.0	.0	.0	.2	.2	.3	.1	.0	51	.0	.8
5	.0	.0	.0	.3	.6	.6	.1	.0	111	.0	1.7
4	.0	.0	.0	.3	1.3	1.0	.1	.0	179	.0	2.7
3	.0	.0	.0	.3	1.4	1.0	.0	.0	182	.0	2.7
2	.0	.0	.1	.8	3.8	1.3	.0	.0	367	.0	6.0
1	.0	.0	.1	.9	4.3	.7	.0	.0	400	.0	6.0
0	.0	.0	.7	3.3	9.3	.6	.0	.0	893	.0	13.4
-1	.0	.0	.1	4.6	8.2	.2	.0	.0	867	.0	13.0
-2	.0	.0	.3	7.3	8.2	.0	.0	.0	1053	.0	15.9
-3	.0	.0	.7	6.5	4.1	.1	.0	.0	725	.0	10.9
-4	.0	.0	.5	7.7	2.4	.0	.0	.0	721	.1	10.8
-5	.0	.0	.5	4.7	1.3	.0	.0	.0	425	.0	5.5
-6	.0	.0	.7	2.6	.0	.0	.0	.0	248	.0	3.7
-7/-8	.0	.0	.8	1.7	.2	.0	.0	.0	182	.0	2.7
-9/-10	.0	.0	.3	.3	.0	.0	.0	.0	43	.0	.6
-11/-13	.0	.1	.1	.1	.0	.0	.0	.0	18	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	3	22	278	3090	412	52	12	6634	17	6617	
PCT	.0	.3	4.1	41.7	46.6	6.2	.8	.2	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HEI	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	1.3	3.2	.0	.0	.0	.0	4.5	1.1	1.5	.0	.0	.0	.0	2.6
1-2	.7	0.7	.4	.0	.0	.0	5.8	.5	2.9	.2	.0	.0	.0	3.6
3-4	.0	.9	.4	.0	.0	.0	1.3	.1	1.6	.4	.1	.0	.0	2.1
5-6	.0	.2	.1	.1	.0	.0	.5	.0	.2	.4	.0	.0	.0	.6
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	9.0	.9	.2	.0	.0	12.2	1.6	6.2	1.3	.3	.0	.0	9.3

HEI	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.4	2.2	.0	.0	.0	.0	2.8	.5	1.6	.0	.0	.0	.0	2.1
1-2	.4	3.3	.1	.0	.0	.0	3.8	.6	2.3	.1	.0	.0	.0	3.0
3-4	.0	1.3	.4	.1	.0	.0	2.1	.2	.5	.0	.0	.0	.0	.7
5-6	.0	.2	.4	.0	.0	.0	.6	.1	.0	.0	.0	.0	.0	.1
7	.0	.2	.2	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	7.2	1.4	.3	.0	.0	9.8	1.4	6.5	.2	.0	.0	.0	6.0

PERIOD: (OVER-ALL) 1963-1979

JANUARY

TABLE 18 (CONT)

ARFA DCC7 ACAPLCC SCLTH
15.7A 59.0A

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.4	1.2	.0	.0	.0	.0	1.6	.4	1.5	.1	.0	.0	.0	2.0	6.2
1-2	.1	.8	.1	.0	.0	.0	1.0	.5	2.4	.3	.0	.0	.0	3.0	9.6
3-4	.0	.2	.1	.0	.0	.0	.3	.0	.3	.1	.0	.0	.0	.4	.7
5-6	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.4	.1	.0	.0	.0	3.0	1.0	4.4	.5	.2	.0	.0	5.9	19.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	2.0	3.7	.0	.0	.0	.0	5.8	1.9	4.2	.2	.0	.0	.0	6.2	19.6
1-2	1.2	7.7	.0	.0	.0	.0	9.7	1.1	8.1	.3	.0	.0	.0	9.6	29.2
3-4	.1	2.5	.7	.0	.0	.0	3.2	.1	2.2	.8	.0	.0	.0	3.1	9.6
5-6	.1	.1	.1	.0	.0	.0	.3	.0	.2	.2	.0	.0	.0	.4	.7
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.1	.0	.0	.3	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	14.3	1.6	.0	.0	.0	19.1	3.0	14.4	1.7	.1	.0	.0	19.6	59.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	23.4	15.0	.2	.0	.0	.0	42.6	1361
1-2	6.8	31.4	2.3	.0	.0	.0	40.4	
3-4	.4	9.1	3.0	.1	.0	.0	12.6	
5-6	.2	1.0	1.2	.1	.0	.0	2.6	
7	.2	.2	.4	.4	.0	.0	.9	
8-9	.0	.1	.2	.0	.0	.0	.3	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.1	
13-16	.0	.0	.0	.1	.0	.0	.3	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	30.8	61.0	7.3	.8	.0	.0	100.0	1361

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	WAVE HGT
<6	11.9	25.3	13.5	3.1	.6	.4	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2791	2
6-7	.3	2.7	5.6	2.5	1.2	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	864	4
8-9	.1	1.0	2.0	1.0	.7	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	782	4
10-11	.0	1.2	.9	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	355	4
12-13	.0	.0	.9	.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
13-15	.0	.0	.0	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
*WAVE HGT	16.3	2.2	1.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1070	1
TOTAL	1447	1644	1258	404	165	70	26	6	17	8	5	1	2	2	0	0	0	0	0	1067	2
PCT	28.6	32.4	24.0	8.0	3.3	1.3	.5	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1953-1974
(CVR-ALL) 1863-1976APEX 0007 ACAPULCO SOUTH
15.7N 90.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HCLR	THOR LTNG	FGG NC PCPN	FGG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG CLST	NC SIG WFA
N	+1	+0	+0	+0	+0	+0	+0	+1	+0	+0	+0	+0	+0	+0	98.3
NE	+2	+0	+0	+0	+0	+0	+0	+1	+0	+0	+0	+0	+0	+0	98.0
E	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	96.7
SE	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	97.6
S	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	95.8
SW	+1	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	98.0
W	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	98.0
NW	+1	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	98.3
VAR	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
CALM	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	97.0
TOT PCT	+1	+0	+0	+0	+0	+0	+0	+1	+0	+0	+0	+0	+0	+0	98.0
TOT OBS:	6904														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HCLR

HCLR (FT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HCLR	THOR LTNG	FGG NC PCPN	FGG NO PCPN PAST HR	SPOKE MAZE	SPRAY BLUG CLST	NC SIG WFA
00003	+0	+1	+1	+0	+0	+0	+0	+2	+0	+1	+0	+0	+0	+1	98.6
06009	+1	+3	+0	+0	+0	+0	+0	+3	+1	+7	+3	+0	+1	+1	97.5
12015	+1	+2	+1	+0	+0	+0	+0	+3	+1	+4	+7	+0	+0	+0	97.4
18021	+1	+1	+0	+0	+0	+0	+0	+3	+0	+0	+1	+0	+0	+0	98.1
TOT PCT	+1	+2	+1	+0	+0	+0	+0	+3	+1	+3	+1	+0	+0	+0	98.0
TOT OBS:	7166														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HCLR

WIND DIR	WIND SPEED (KNOTS)							HCLR (FT)								
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL		00	03	06	09	12	15	18	21
N	2.0	6.0	0.0	0.0	0.0	0.0	10.0	6.1	5.1	6.4	8.0	3.0	14.0	15.3	13.0	9.2
NE	1.5	3.0	0.7	0.1	0.0	0.0	5.0	6.8	3.7	2.5	6.3	3.4	7.6	9.2	6.1	7.1
E	1.4	3.0	1.0	0.1	0.0	0.0	6.3	7.1	4.3	6.2	5.6	4.2	7.4	5.3	8.1	3.3
SE	1.0	2.6	0.5	0.0	0.0	0.0	4.1	6.3	4.2	6.2	3.0	4.6	2.6	1.8	4.0	5.8
S	0.0	2.2	0.2	0.0	0.0	0.0	3.1	5.7	5.0	7.6	3.2	5.0	1.2	2.2	1.9	4.2
SW	1.4	6.0	0.6	0.0	0.0	0.0	6.0	6.2	15.1	12.4	5.9	9.9	2.0	3.4	3.5	9.0
W	3.4	14.0	4.4	0.1	0.0	0.0	27.1	7.5	41.0	34.2	29.5	33.0	17.0	22.5	19.0	25.0
NW	3.6	15.4	3.1	0.1	0.0	0.0	22.1	7.0	15.2	10.7	20.7	24.6	26.7	30.2	24.5	24.5
VAR	+0	+0	+0	+0	+0	+0	14.1	+0	+0	+0	+0	+0	+0	+0	+0	+0
CALM	14.1	43.0	63.5	2.5	0.0	0.0	74.0	5.9	6.0	11.0	16.1	11.0	19.0	15.0	15.1	9.2
TOT OBS	2204	4304	635	2.5	0.0	0.0	7430		1768	119	1530	119	1529	230	2004	130
TOT PCT	10.5	57.9	11.2	0.2	0.0	0.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					HCLR (FT)					
	0-6	7-16	17-27	28-40	41+		00	03	06	09	12
N	6.7	3.5	0.2	0.0	0.0	10.0	6.1	5.0	7.7	14.9	13.6
NE	3.6	2.1	0.0	0.0	0.0	5.9	6.8	3.7	6.3	7.8	8.1
E	3.6	2.4	0.3	0.0	0.0	6.3	7.1	4.3	5.5	7.1	7.0
SE	2.5	1.5	0.1	0.0	0.0	4.2	6.2	4.2	4.7	2.5	4.0
S	2.2	1.0	0.0	0.0	0.0	3.1	5.7	5.0	3.3	1.3	7.1
SW	4.3	2.4	0.1	0.0	0.0	6.0	6.2	14.9	6.1	2.2	3.4
W	13.1	13.6	0.0	0.0	0.0	27.1	7.5	40.6	29.7	18.4	10.1
NW	11.5	10.0	0.3	0.0	0.0	22.1	7.0	15.4	26.9	27.2	24.8
VAR	+0	+0	+0	+0	+0	14.1	+0	+0	+0	+0	+0
CALM	14.1					14.1	+0	6.4	17.0	18.5	14.8
TOT OBS	4422	2715	105	0	0	7430		1000	1049	1759	2174
TOT PCT	61.9	36.5	1.4	0.0	0.0	100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

AREA 0007 ACAPULCC SOUTH
15.7N 99.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	WIND SPEED (KNOTS)	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	6.4	13.5	64.0	15.7	.5	.0	.0	.0	7.0	100.0	1884
0600	17.6	14.9	54.8	12.5	.1	.0	.0	.0	5.8	100.0	1645
1200	18.5	15.6	56.5	9.0	.3	.1	.0	.0	5.4	100.0	1759
1800	14.8	20.5	56.2	8.1	.4	.0	.0	.0	5.4	100.0	2134
TOT	1051	1213	4304	835	25	2	0	5.9			7430
PCT	14.1	16.3	57.9	11.2	.3	.0	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	7.7	1.6	1.0	.2		1.7
NE	4.1	1.1	.7	.0		1.9
E	4.5	.9	.9	.2		2.0
SE	2.4	.9	.1	.1		2.4
S	2.0	.6	.3	.1		2.0
SW	4.5	1.3	.7	.1		1.9
W	20.2	4.2	2.2	.5		1.6
NW	16.3	3.2	1.8	.3		1.5
VAR	.0	.0	.0	.0		.0
CALM	11.3	1.9	1.3	.1		1.4
TOT OBS	4214	912	545	95	5766	1.7
TOT PCT	73.1	15.4	9.5	1.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.0	.1	.3	.1	.1	.0	.0	.0	10.1	
NE	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	5.6	
E	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	6.0	
SE	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
SW	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	6.4	
W	.1	.0	.1	.2	.4	.1	.1	.0	.0	.0	26.0	
NW	.0	.0	.0	.1	.3	.2	.1	.0	.0	.1	20.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	14.0	
TOT OBS	4214	912	545	95	5766	1.7					5766	
TOT PCT	73.1	15.4	9.5	1.6	100.0						95.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NH)	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.3	.3	.3	.3	.3	.3	.3	.3	.3
≥ OR >5000	.4	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR >3500	.7	.8	.8	.8	.8	.8	.8	.8	.8
≥ OR >2000	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
≥ OR >1000	3.4	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7
≥ OR >500	4.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ OR >300	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ OR >150	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ OR >0	4.4	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9
TOTAL	262	287	290	291	291	291	291	291	291

TOTAL NUMBER OF OBS: 5970

PCT FREQ NH <5/8: 95.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
40.9	26.5	14.3	9.1	4.2	1.9	1.4	1.0	.7	.1	6216

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979AREA 0007 ACAPULCC SOUTH
15.7N 99.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VA	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.	.
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.	.
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.	.	.0	.0	.	.
	TOT %	.0	.0	.0	.0	.0	.0	.	.	.0	.0	.	.
2<5	PCP	.0	.0	.0	.0	.0	.	.	.0	.0	.0	.	.
	NO PCP	.	.	.0	.0	.	.	.1	.1	.0	.1	.3	.3
	TOT %	.	.	.0	.0	.	.	.1	.1	.0	.1	.3	.3
5<10	PCP	.0	.	.	.	.	.	.	.	.0	.0	.1	.1
	NO PCP	.4	.2	.3	.2	.1	.2	.6	.9	.0	.4	3.2	3.2
	TOT %	.4	.2	.3	.2	.1	.2	.6	.9	.0	.4	3.2	3.2
10+	PCP	.	.	.	.	.	.	.1	.	.0	.0	.2	.2
	NO PCP	10.1	5.9	6.1	4.0	3.0	6.6	26.2	20.9	.0	13.5	96.2	96.2
	TOT %	10.1	5.9	6.2	4.0	3.0	6.7	26.2	20.9	.0	13.5	96.4	96.4
TOT OBS													
TOT PCT													
10.6 6.0 6.4 4.2 3.1 6.9 26.9 21.9 .0 14.0 100.0													

6880

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.	.
	4-10	.	.	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	11-21	.0	.	.	.0	.0	.0	.0	.0	.0	.0	.	.
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	TOT %	.	.	.	.0	.0	.0	.	.0	.0	.0	.	.
1/2<1	0-3	.0	.0	.	.	.0	.0	.0	.0	.0	.0	.	.
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	TOT %	.0	.0	.	.	.0	.0	.0	.0	.0	.0	.	.
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	4-10	.0	.	.	.	.	.	.	.	.	.	.	.
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	TOT %	.0	.	.0	.	.	.	.	.	.	.0	.	.
2<5	0-3	.	.0	.0	.0	.0	.	.	.0	.0	.0	.1	.1
	4-10	.	.	.	.0	.	.	.1	.1	.0	.	.3	.3
	11-21	.0	.	.	.0	.0	.	.	.	.0	.	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.	.	.0	.	.	.1	.1	.0	.1	.4	.4
5<10	0-3	.1	.	.	.	.	.1	.2	.2	.0	.4	1.0	1.0
	4-10	.3	.1	.1	.1	.1	.1	.3	.6	.0	.	1.7	1.7
	11-21	.	.	.1	.1	.	.	.1	.1	.0	.	.4	.4
	22+	.	.	.	.0	.0	.	.	.0	.0	.	.1	.1
	TOT %	.4	.2	.3	.2	.1	.2	.6	.8	.0	.4	3.1	3.1
10+	0-3	2.7	1.5	1.4	1.0	.7	1.3	3.5	3.4	.0	13.5	29.1	29.1
	4-10	6.6	3.5	3.7	2.5	2.1	4.7	16.4	14.7	.0	.	56.1	56.1
	11-21	.8	.6	.9	.4	.2	.6	4.3	3.0	.0	.	10.9	10.9
	22+	.	.1	.1	.0	.0	.0	.1	.1	.0	.	.3	.3
	TOT %	10.1	5.7	6.0	3.9	3.0	6.6	26.3	21.2	.0	13.5	96.3	96.3
TOT OBS													
TOT PCT													
10.6 5.9 6.3 4.1 3.1 6.8 27.0 22.2 .0 14.0 100.0													

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FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979AREA 0007 ACAPULCC SOLTH
15.74 99.06

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET-NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.1	.0	.1	.7	1.4	1.1	.1	.2	.1	.2	4.0	96.0	1618
06009	.2	.0	.3	.8	1.5	.9	.8	.1	.3	.0	4.8	95.2	1410
12015	.1	.0	.1	1.1	2.6	1.4	.1	.1	.0	.3	6.0	94.0	1418
18021	.0	.0	.1	1.0	1.9	.6	.5	.2	.0	.2	4.4	95.6	1754
TOT	6	0	9	57	114	51	23	10	5	11	296	5904	6200
PCT	.1	.0	.1	.9	1.8	1.0	.4	.2	.1	.2	4.8	95.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.1	.3	1.9	97.7	1889
06009	.1	.0	.1	.5	4.2	95.2	1692
12015	.1	.1	.1	.8	4.5	94.5	1790
18021	.0	.0	.0	.2	2.3	97.4	2157
TOT	3	1	4	34	237	7249	7528
PCT	.0	.0	.1	.5	3.1	96.3	100.0

TABLE 12

CUMULATIVE PCT FRQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET-NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 1	<1000 5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	.1	1.0	3.1	96.0	1561
06009	.2	.5	1.8	3.6	94.6	1361
12015	.2	.4	2.0	4.7	93.3	1365
18021	.0	.2	1.2	3.3	95.4	1683
TOT	7	17	88	217	5645	5970
PCT	.1	.3	1.5	3.6	94.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.4	.0	.0	.0	2	.0
90/94	.0	.0	.0	.3	.4	.1	.0	.0	49	.8
85/89	.0	.0	.1	.6	3.7	3.1	.5	.3	478	8.2
80/84	.0	.0	2	1.3	14.2	32.3	11.5	2.2	3584	61.7
75/79	.0	.0	.0	.4	2.1	12.7	10.2	3.1	1656	28.5
70/74	.0	.0	.0	.0	.0	.1	.4	.2	43	.7
TOTAL	0	2	16	147	1193	2806	1308	340	5812	100.0
PCT	.0	.0	.3	2.5	20.5	48.3	22.5	5.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.0	.1	.0	.0	.2	.3	.0	.1
85/89	.8	.5	.6	.4	.3	.4	2.4	1.9	.0	.8
80/84	6.0	3.6	3.6	2.6	2.2	5.1	17.5	12.6	.0	8.7
75/79	3.6	2.0	2.1	1.0	.5	1.0	6.7	6.9	.0	4.6
70/74	.1	.1	.1	.0	.0	.0	.1	.2	.0	.1
TOTAL	10.6	6.3	6.5	4.1	3.0	6.6	26.9	21.8	.0	14.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	89	86	82	79	77	73	82.1	1919
06009	91	84	82	80	77	75	68	79.8	1708
12015	95	84	82	79	75	72	70	78.9	1821
18021	95	91	88	82	78	76	70	82.5	2190
TOT	95	89	86	81	77	74	66	80.9	7638

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.9	28.0	49.4	15.4	3.4	73	1542
06009	.0	.5	12.2	52.3	27.9	7.2	78	1368
12015	.0	1.1	8.0	46.4	34.3	10.2	79	1417
18021	.0	5.1	30.5	45.7	15.3	3.5	73	1690
TOT	0	170	1232	2915	1365	355	76	6037

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

FEBRUARY

AREA 0007 ACAPULCO SOUTH
15.7N 99.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% NO FOG
14/16	.0	.0	.0	.0	.	.0	.	.	5	.0	.1
11/13	.0	.0	.0	.	.1	.	.	.1	19	.0	.3
9/10	.0	.0	.0	.	.2	.2	.	.	37	.0	.6
7/8	.0	.0	.0	.2	.4	.4	.	.	92	.0	1.4
6	.0	.0	.0	.1	.4	.5	.3	.0	82	.0	1.3
5	.0	.0	.	.2	.7	1.0	.1	.	136	.0	2.1
4	.0	.0	.0	.3	1.1	1.1	.1	.0	170	.0	2.6
3	.0	.0	.	.3	1.5	1.2	.	.0	197	.0	3.0
2	.0	.0	.1	.8	4.2	1.4	.	.0	420	.0	6.4
1	.0	.	.	.9	5.1	.9	.0	.0	460	.0	7.0
0	.0	.0	.1	3.3	10.4	.6	.0	.0	938	.	14.3
-1	.0	.0	.1	4.1	9.3	.	.0	.0	838	.0	12.8
-2	.0	.	.	.2	7.6	7.4	.1	.0	1001	.	15.3
-3	.0	.0	2	7.2	3.3	.1	.0	.0	714	.	10.9
-4	.0	.0	.6	6.9	1.9	.	.0	.0	615	.	9.4
-5	.0	.	.7	4.4	1.0	.	.0	.0	401	.0	6.1
-6	.0	.0	.7	2.2	.3	.	.0	.0	205	.	3.1
-7/-8	.0	.	.4	1.3	.2	.0	.0	.0	152	.0	2.3
-9/-10	.0	.1	.2	.	.	.	.0	.0	46	.0	.7
-11/-13	.	.	.1	.1	.0	.0	.0	.0	11	.0	.2
-14/-16	.0	.0	.	.	.0	.0	.0	.0	2	.0	.
TOTAL	1		263	3034		75			6543	10	6533
PCT	.	13	2641	504		12			6543	.2	99.8
	.2	4.0	40.4	46.4	7.7	1.1	.2		100.0		

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.3	1.5	.1	.0	.0	.0	3.9	1.3	.9	.0	.0	.0	.0	2.2
1-2	.7	5.4	.5	.0	.0	.0	6.6	.3	2.2	.1	.0	.0	.0	2.6
3-4	.2	1.0	.5	.0	.0	.0	1.8	.1	.4	.3	.0	.0	.0	.9
5-6	.0	.2	.7	.0	.0	.0	.4	.0	.	.2	.0	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.	.0	.0	.0	.
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
TOT PCT	3.2	8.1	1.3	.0	.0	.0	12.7	1.8	3.6	.6	.1	.0	.0	6.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.4	1.1	.0	.0	.0	.0	1.5	.5	.5	.1	.0	.0	.0	1.1
1-2	.1	1.5	.4	.0	.0	.0	2.0	.1	1.5	.2	.0	.0	.0	1.9
3-4	.0	.7	.8	.0	.0	.0	1.6	.1	.4	.4	.0	.0	.0	1.0
5-6	.0	.2	.1	.0	.0	.0	.3	.1	.0	.	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.	.0	.0	.0	.
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.	.0	.0	.0	.
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.	.0	.0	.0	.
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.	.0	.0	.0	.
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
TOT PCT	.6	3.5	1.5	.0	.0	.0	5.6	.8	2.4	.8	.0	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

AREA 0007 ACAPULCO SOUTH
15.7M 99.0M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.1	.0	.0	.0	1.6	.4	1.1	.1	.0	.0	.0	1.6
1-2	.0	1.7	.2	.0	.0	.0	1.9	.4	2.6	.7	.0	.0	.0	3.2
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.5	.7	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.9	.3	.0	.0	.0	3.6	.8	4.4	.5	.0	.0	.0	5.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.6	4.0	.2	.0	.0	.0	5.8	2.2	4.0	.1	.0	.0	.0	6.3	
1-2	1.0	9.5	1.9	.0	.0	.0	12.5	.5	9.7	1.7	.0	.0	.0	11.9	
3-4	.1	3.2	1.3	.0	.0	.0	4.6	.0	2.2	1.1	.0	.0	.0	3.3	
5-6	.0	.3	.8	.0	.0	.0	1.1	.0	.2	.5	.0	.0	.0	.8	
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	17.1	4.3	.0	.0	.0	24.2	2.7	16.1	3.5	.0	.0	.0	22.3	84.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.7	14.0	.6	.0	.0	.0	39.3	
1-2	5.7	33.0	5.0	.0	.0	.0	43.6	
3-4	.8	8.2	4.5	.0	.0	.0	13.5	
5-6	.1	.9	1.7	.0	.0	.0	2.7	
7	.0	.1	.2	.0	.0	.0	.4	
8-9	.0	.1	.1	.1	.0	.0	.3	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	31.3	56.4	12.3	.1	.0	.0	100.0	1358

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	10.3	23.8	15.3	3.4	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2667	2
6-7	.4	2.9	6.2	3.0	1.1	.4	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	710	4
8-9	.2	1.4	2.3	1.4	.6	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	308	4
10-11	.0	1.1	.7	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	143	4
12-13	.0	.0	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	5
>13	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
INDEX	15.2	2.9	2.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1020	1
TOTAL	1286	1578	1343	456	157	59	30	10	7	5	0	0	0	0	0	0	0	0	0	4931	2
PCT	26.1	32.0	27.2	9.2	3.2	1.2	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1981-1979

PARC

AREA CODE ACAPLCC SOLTH
15.74 98.94

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	SPRAY BLNG	NO SIG WEA
N	+2	+0	+0	+0	+0	+0	+0	+2	+2	+0	+0	+0	1.6	+0	+0	98.1
NE	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	3.2	+0	+0	98.0
E	+4	+0	+0	+0	+0	+0	+0	+4	+0	+0	+0	+0	2.9	+0	+0	95.9
SE	+1	+0	+0	+0	+0	+0	+0	+1	+0	+0	+0	+0	2.5	+0	+0	96.9
S	+4	+0	+0	+0	+0	+0	+0	+4	+0	+0	+0	+0	4.0	+0	+0	94.6
SW	+2	+0	+0	+0	+0	+0	+0	+4	+0	+0	+0	+0	2.5	+0	+0	96.7
W	+0	+0	+0	+0	+0	+0	+0	+0	+1	+1	+0	+0	2.0	+1	+0	97.4
NW	+1	+0	+1	+0	+0	+0	+0	+1	+1	+1	+0	+0	1.6	+0	+0	98.0
VAR	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
CALM	+0	+0	+0	+0	+0	+0	+0	+1	+0	+3	+2	+0	5.1	+0	+0	94.2
TOT PCT	+1	+0	+0	+0	+0	+0	+0	+1	+1	+1	+2	+0	2.4	+0	+0	97.0
TOT OBS:	7670															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	SPRAY BLNG	NO SIG WEA
01003	+0	+0	+1	+0	+0	+0	+0	+1	+1	+1	+1	+0	1.7	+1	+1	98.0
06009	+1	+0	+1	+0	+0	+0	+0	+2	+1	+4	+3	+0	2.2	+0	+0	97.0
12015	+2	+0	+1	+0	+0	+0	+0	+2	+2	+1	+4	+0	2.4	+0	+0	96.0
18021	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+2	+0	3.1	+0	+0	96.6
TOT PCT	+1	+0	+0	+0	+0	+0	+0	+1	+1	+1	+2	+0	2.4	+0	+0	97.0
TOT OBS:	7616															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-32	34-47	48+				00	03	06	09	12	15	18	21		
N	2.0	5.0	+4	+0	+0	+0	7.6	6.0	3.3	+8	6.0	6.3	12.0	8.2	9.2	10.1			
NE	+9	2.9	+4	+1	+0	+0	4.3	6.9	1.9	+8	4.3	4.3	6.5	5.9	4.7	5.1			
E	+8	2.2	+5	+0	+0	+0	3.6	6.0	2.4	1.7	3.6	3.4	4.4	2.7	4.1	2.9			
SE	+7	1.7	+1	+0	+0	+0	2.5	5.6	2.7	2.7	3.0	+7	1.4	+7	2.4	1.0			
S	+6	1.7	+0	+0	+0	+0	2.6	5.1	3.7	5.7	2.1	3.2	1.6	+9	2.6	3.7			
SW	1.3	4.4	+6	+0	+0	+0	6.9	6.5	13.4	9.1	5.0	11.4	2.8	5.8	5.4	5.0			
W	4.2	24.4	7.3	+1	+0	+0	36.6	7.9	52.3	50.0	36.7	44.6	24.9	31.1	31.3	34.3			
NW	3.7	16.9	3.5	+0	+0	+0	24.1	7.2	15.8	19.2	23.8	18.7	30.2	34.0	24.2	24.6			
VAR	+1	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0			
CALM	11.8						11.8	+0	4.5	10.7	15.4	7.5	15.7	10.8	13.2	8.3			
TOT OBS	2186	4979	1072	22	3	0	8262	6.3	1958	121	1790	134	1776	223	2104	156			
TOT PCT	26.5	60.3	13.0	+2	+0	+0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	09	18
N	4.9	2.6	+0	+0	7.6	6.0	3.3	3.2	6.1	11.6	9.3
NE	2.7	1.4	+1	+0	4.3	6.9	1.9	1.8	4.3	6.4	4.7
E	2.1	1.4	+1	+0	3.6	6.0	2.4	1.5	4.2	4.0	
SE	1.8	+7	+0	+0	2.5	5.6	2.7	2.8	1.7	2.7	
S	2.0	+6	+0	+0	2.6	5.1	3.7	2.3	1.5	2.6	
SW	4.1	2.7	+1	+0	6.9	6.5	13.1	5.5	3.1	5.8	
W	16.2	19.4	1.0	+0	36.6	7.9	52.2	37.3	25.6	31.5	
NW	12.2	11.6	+3	+0	24.1	7.2	16.0	23.4	30.4	26.5	
VAR	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	
CALM	11.8				11.8	+0	4.9	14.8	15.1	12.8	
TOT OBS	4780	3326	147	3	8262	6.3	2079	1924	1999	2240	
TOT PCT	57.9	40.3	1.8	+1	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1981-1979

MARCH

AREA CODE ACAPLCC SOLTH
15.74 98.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				PCT	TOTAL
				11-21	22-33	34-47	48+		
0000	4.9	11.0	63.2	20.5	.2	.1	.0	7.8	100.0
0600	14.8	12.8	59.0	13.0	.3	.1	.0	6.3	100.0
1200	15.1	16.2	59.6	6.8	.3	.0	.0	5.6	100.0
1800	12.8	18.0	59.2	9.7	.3	.0	.0	5.7	100.0
10T	979	1207	4979	1072	22	3	0	6.3	4262
PCT	11.8	14.6	60.3	13.0	.3	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS'D	TOTAL CDS	MEAN CLOUD COVER
N	5.2	1.6	.9	.2		2.0
NE	3.2	.5	.5	.1		1.0
E	2.9	.7	.5	.1		2.1
SE	1.7	.5	.1	.1		1.9
S	1.7	.4	.2	.1		1.9
SW	4.7	1.0	.9	.1		1.9
W	26.8	6.0	3.5	.6		1.7
NW	16.7	4.2	2.5	.4		1.8
VAR	.0	.0	.0	.0		.0
CALM	8.8	1.8	1.1	.1		1.5
TOT CDS	4441	1051	650	114	6296	1.6
TOT PCT	71.2	16.7	10.3	1.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM 24/8)
AND OCCURRENCE OF AM 45/8 BY WIND DIRECTION

CEIL	100	150	300	400	1000	2000	3500	5000	6500	8000	AM 45/8	TOTAL
100	200	500	800	1000	3000	4000	6000	7000			ANY 45/8	CDS
N	.0	.0	.0	.1	.2	.0	.1	.0	.0	.0	.0	7.4
NE	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	4.0
E	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	3.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4
SW	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	6.2
W	.0	.0	.0	.3	.6	.3	.1	.1	.0	.1	.1	35.4
NW	.0	.1	.1	.3	.2	.2	.1	.1	.1	.1	.1	22.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	11.4
TOT CDS	2	4	8	38	110	57	33	17	14	16	5646	6296
TOT PCT	.0	.1	.1	.6	1.7	.9	.5	.3	.2	.2	45.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 24/8) AND 45/8 (AM)

CEILING (FEET)	VSRY (NM)							
	≥ CR >10	≥ CR >5	≥ CR >2	≥ CR >1	≥ CR >1/2	≥ CR >1/4	≥ CR >5000	≥ CR >0
≥ CR 26500	.5	.5	.5	.5	.5	.5	.5	.5
≥ CR 25000	.7	.8	.8	.8	.8	.8	.8	.8
≥ CR 23500	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ CR 22000	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ CR 21000	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9
≥ CR 20000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ CR 19500	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ CR 19000	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ CR 18500	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
TOTAL	245	304	306	306	306	306	306	306

TOTAL NUMBER OF CDS: 6452

PCT FREQ AM 45/8: 45.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL CDS
44.9	23.8	14.0	8.4	3.9	1.8	1.5	1.7	.7	.0	6794

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1881-1979

MARCH

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (MP)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS												7641
TOT PCT	7.8	4.3	3.7	2.5	2.5	6.9	36.6	24.5	.0	11.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (MP)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.1	.1	.0	.0	.0	.0	.1	.1	.0	.7	1.2	
	4-10	.2	.1	.1	.1	.1	.4	.7	.5	.0	.0	2.1	
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.2	.2	.2	.1	.2	1.0	.8	.0	.7	3.7	
10+	0-3	1.9	.8	.8	.6	.8	1.3	4.1	3.6	.0	11.1	25.0	
	4-10	4.8	2.8	2.1	1.6	1.5	4.8	24.1	16.4	.0	.0	58.0	
	11-21	.5	.4	.4	.1	.0	.6	7.1	3.3	.0	.0	12.6	
	22+	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.3	
	TOT %	7.3	4.0	3.3	2.3	2.4	6.7	35.4	23.3	.0	11.1	95.0	
TOT OBS													8044
TOT PCT		7.6	4.3	3.6	2.5	2.5	6.9	36.6	24.2	.0	11.8	100.0	

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1981-1979AREA DDD7 ACAPULCO SOLTH
15.74 98.96

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 34/81) AND
OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	TOTAL	AM <5/8 PCT	TOTAL OBS
0000	.0	.0	.1	.5	1.2	1.0	.6	.4	.3	.3	.4	.4	.3	4.4	55.6	1731
0600	.1	.1	.1	.6	1.7	.9	.4	.2	.2	.3	.4	.7	.3	6.7	55.3	1601
12015	.0	.1	.3	.9	.6	.9	.6	.2	.1	.2	.6	.0	.0	6.0	94.0	1602
18021	.0	.1	.0	.2	1.2	.7	.4	.2	.2	.4	.3	.3	.3	3.3	96.7	1630
TOT	2	4	8	21	1.3	58	33	17	14	22	30	64	55	6455	4764	
PCT	.0	.1	.1	.6	1.7	.9	.5	.3	.2	.3	.4	.6	.3	4.6	95.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.0	.0	.0	.2	2.5	97.2	2064
0600	.1	.0	.0	.4	4.4	95.2	1945
12015	.0	.0	.0	.4	5.2	94.2	2030
18021	.1	.0	.0	.4	3.0	96.5	2288
TOT	5	0	2	21	312	7976	8329
PCT	.1	.0	.0	.4	3.7	95.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, AM 34/81) BY HOUR

HOUR (GMT)	<150 <500	<400 <1	<1000 <5	1000+ 8005+	AM <5/8 AND 5+	TOTAL OBS
0000	.1	.1	.8	4.0	95.3	1670
0600	.1	.3	1.2	3.9	94.9	1505
12015	.0	.5	1.6	4.9	93.5	1433
18021	.0	.2	.6	3.1	96.2	1744
TOT	3	17	67	253	6122	6452
PCT	.0	.1	1.0	3.6	95.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
90/96	.0	.0	.0	.1	.4	.1	.0	.0	49	.8
85/89	.0	.0	.0	.4	3.9	4.5	.8	.2	658	10.4
80/84	.0	.0	.1	.4	11.0	32.5	13.9	2.4	1852	28.6
75/79	.0	.0	.0	.1	1.4	10.2	11.4	3.8	1717	27.0
70/74	.0	.0	.0	.0	.3	.4	.3	.3	72	1.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	0	1	9	116	1067	3027	1704	428	6352	100.0
PCT	.0	.0	.1	1.8	16.8	47.7	26.8	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/96	.1	.0	.0	.0	.0	.0	.2	.2	.0	.1
85/89	.9	.4	.5	.3	.2	.6	3.8	2.2	.0	1.1
80/84	4.4	2.1	1.7	1.5	1.7	4.8	23.6	14.1	.0	6.6
75/79	2.6	1.5	1.3	.6	.5	1.1	8.6	7.0	.0	3.9
70/74	.1	.1	.1	.0	.0	.0	.3	.3	.0	.2
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.0	4.2	3.6	2.5	2.5	6.8	36.6	23.4	.0	11.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	94	89	86	82	78	74	64	82.3	2082
0600	97	84	83	80	77	74	68	80.0	1983
12015	96	84	82	79	75	73	69	79.0	2045
18021	95	90	88	82	78	75	64	82.8	2319
TOT	97	89	86	81	76	74	64	81.1	6439

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.8	24.1	51.7	18.0	4.4	.7	.7	75	1645
0600	.0	.7	7.2	47.8	36.4	7.9	.7	.7	79	1562
12015	.0	.6	6.4	34.3	41.1	12.6	.8	.8	81	1543
18021	.0	4.7	27.9	51.0	13.6	2.6	.7	.7	73	1748
TOT	0	132	1100	3127	1768	644	77	6576		

MARCH

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 17

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1981-1979

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)											
AIR-SEA TEMP DIFF	61 64	65 68	66 72	73 76	77 80	81 84	85 88	89 92	90 92	TOT FOG	MC FOG
17/19	+0	+0	+0	+0	+0	+0	+0	+0	+0	2	+0
14/16	+0	+0	+0	+0	+0	+0	+0	+0	+0	8	+0
11/13	+0	+0	+0	+0	+0	+0	+0	+0	+0	20	+0
9/10	+0	+0	+0	+0	+0	+0	+0	+0	+0	39	+0
7/8	+0	+0	+0	+0	+0	+0	+0	+0	+0	95	+0
6	+0	+0	+0	+0	+0	+0	+0	+0	+0	87	+0
5	+0	+0	+0	+0	+0	+0	+0	+0	+0	157	+0
4	+0	+0	+0	+0	+0	+0	+0	+0	+0	226	+0
3	+0	+0	+0	+0	+0	+0	+0	+0	+0	260	+0
2	+0	+0	+0	+0	+0	+0	+0	+0	+0	534	+0
1	+0	+0	+0	+0	+0	+0	+0	+0	+0	508	+0
-1	+0	+0	+0	+0	+0	+0	+0	+0	+0	1029	+0
-2	+0	+0	+0	+0	+0	+0	+0	+0	+0	904	+0
-3	+0	+0	+0	+0	+0	+0	+0	+0	+0	1085	+0
-4	+0	+0	+0	+0	+0	+0	+0	+0	+0	761	+0
-5	+0	+0	+0	+0	+0	+0	+0	+0	+0	645	+0
-6	+0	+0	+0	+0	+0	+0	+0	+0	+0	413	+0
-7/-8	+0	+0	+0	+0	+0	+0	+0	+0	+0	216	+0
-9/-10	+0	+0	+0	+0	+0	+0	+0	+0	+0	177	+0
-11/-12	+0	+0	+0	+0	+0	+0	+0	+0	+0	40	+0
-13/-14	+0	+0	+0	+0	+0	+0	+0	+0	+0	12	+0
-15/-16	+0	+0	+0	+0	+0	+0	+0	+0	+0	3	+0
-17/-18	+0	+0	+0	+0	+0	+0	+0	+0	+0	3	+0
TOTAL	2	4	16	338	3370	9.9	1.2	-1	7	7226	-2
PCT	0	0	0	0	0	0	0	0	0	100.0	99.8

TABLE 18

PERIOD: (OVER-ALL) 1963-1979

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.7	1.1	0.0	0.0	0.0	2.8	0.0	1.0	0.0	0.0	0.0	0.0	1.4
1-2	0.7	2.7	0.3	0.0	0.0	0.0	1.4	0.0	1.9	0.0	0.0	0.0	0.0	1.4
3-4	0.1	0.6	0.4	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.3
5-6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	1.0	5.4	0.8	0.0	0.0	0.0	6.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0

PERIOD: (OVER-ALL) 1963-1976

MARCH
TABLE 18 (CONT)

AREA CODE ACAPULCO SCLT-
15.74 98.96

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							Sw						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.7	.4	.8	.0	.0	.0	.0	1.2
1-2	.3	.7	.0	.0	.0	.0	1.0	.5	2.5	.3	.0	.0	.0	3.4
3-4	.0	.3	.1	.0	.0	.0	.3	.1	.7	.1	.0	.0	.0	1.0
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.5	.1	.0	.0	.0	2.0	1.0	4.1	.6	.0	.0	.0	5.0

HGT	b							No							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.8	5.0	.2	.0	.0	.0	7.1	1.9	3.6	.0	.0	.0	.0	5.5	98.4
1-2	.9	12.5	2.4	.0	.0	.0	15.7	1.5	11.4	1.0	.0	.0	.0	14.6	
3-4	.2	4.4	3.5	.0	.0	.0	8.2	.3	2.6	2.1	.0	.0	.0	4.9	
5-6	.0	.3	.8	.0	.0	.0	1.1	.1	.4	.8	.0	.0	.0	1.4	
7	.0	.1	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	22.3	7.1	.1	.0	.0	32.4	3.7	18.0	4.7	.0	.0	.0	26.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.0	13.3	.3	.0	.0	.0	32.6	1431
1-2	5.7	36.1	5.1	.0	.0	.0	46.9	
3-4	.4	10.5	8.9	.0	.0	.0	17.8	
5-6	.1	1.1	2.2	.0	.0	.0	3.4	
7	.0	.3	.3	.1	.0	.0	.8	
8-9	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.1	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	25.6	56.5	14.7	.2	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	4.9	26.6	16.8	3.7	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3196	2
6-7	.2	2.6	6.1	3.2	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	4
8-9	.1	.9	2.4	1.4	.3	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	288	4
10-11	.0	.9	1.2	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	166	6
12-13	.0	.0	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	1
13	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	547	1
TOTAL	1167	1836	1637	572	139	65	22	3	10	5	6	0	0	0	0	0	0	0	0	5402	2
PCT	21.7	33.5	29.9	10.4	2.5	1.2	.4	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1862-1979

APRIL

AREA CODE ACAPULCO ISLT-
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT CG TIME	PCPN PAST HCLR	THDR LTNG	FOG NO PCPN	FOG NO PAST NR	SMOKE	SPRAY	NO SIG
N	.2	.0	.0	.0	.0	.0	.0	.2	.1	.2	.1	.0	6.5	.0	93.1
NE	.5	.1	.1	.0	.0	.0	.0	.7	.0	1.2	.0	.0	8.6	.0	89.3
E	.8	.3	.3	.0	.0	.0	.0	1.3	.0	.6	.3	.0	6.7	.0	89.6
SE	.8	1.1	.0	.0	.0	.0	.0	1.9	1.3	2.2	.1	.0	9.4	.0	85.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	12.3	.0	86.1
SW	.2	.0	.0	.0	.0	.0	.0	.2	.3	.4	.0	.0	9.3	.0	92.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.0	7.2	.0	92.3
NW	.1	.1	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	5.3	.0	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.0	17.3	.0	97.1
TOT PCT	.1	.1	.0	.0	.0	.0	.0	.2	.1	.3	.2	.0	7.7	.0	91.5
TOT OBS:	7600														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HCLR

HCLR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT CG TIME	PCPN PAST HCLR	THDR LTNG	FOG NO PCPN	FOG NO PAST NR	SMOKE HAZE	SPRAY BLDG ELST	NO SIG OBS
0000Z	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	8.0	.1	90.6
0600Z	.2	.1	.1	.0	.0	.0	.0	.3	.1	.8	.2	.0	4.6	.0	90.2
1200Z	.3	.3	.0	.0	.0	.0	.0	.5	.3	.4	.1	.0	7.3	.0	91.3
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0	9.5	.0	90.2
TOT PCT	.1	.1	.0	.0	.0	.0	.0	.2	.1	.3	.2	.0	7.6	.0	91.6
TOT OBS:	7600														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HCLR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HCLR (GMT)						
	0-3	4-10	11-21	22-32	33-47	48+					00	03	06	09	12	15	18
N	7.1	0.0	.5	.0	.0	.0		7.2	5.7	2.6	5.0	5.4	7.4	12.5	9.3	8.0	7.1
NE	.8	2.1	.3	.1	.0	.0		3.3	7.0	1.0	1.6	3.3	1.1	6.6	5.6	3.2	5.2
E	1.0	2.0	.5	.0	.0	.0		3.6	6.6	1.8	2.2	6.1	2.9	6.7	5.1	2.9	1.1
SE	.7	1.4	.2	.0	.0	.0		2.3	6.0	2.3	.0	2.0	.9	1.9	2.0	2.7	1.9
S	.6	1.5	.2	.0	.0	.0		2.3	5.8	3.2	1.2	2.9	2.6	1.1	.7	2.4	1.9
SW	1.0	5.5	.0	.0	.0	.0		6.1	6.4	15.6	7.2	7.3	17.3	2.9	4.6	6.7	15.1
W	4.5	26.0	8.0	.1	.0	.0		38.5	8.0	56.3	55.2	37.5	44.0	26.8	32.0	34.7	36.6
NW	1.1	18.6	7.5	.0	.0	.0		22.3	7.4	19.1	18.0	20.1	20.7	32.4	16.1	26.5	29.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.3							11.3	.0	5.3	9.6	16.1	7.7	12.8	9.7	12.7	6.7
TOT OBS	2120	4403	1152	30	2	0	8215		6.5	1411	125	1754	117	1801	216	2152	134
TOT PCT	25.0	54.7	14.0	.4	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HCLR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	5.0	2.1	.1	.0	.0		7.2	5.7	2.0	5.0	5.4	7.4	7.4
NE	2.0	1.2	.1	.0	.0		3.3	7.0	1.0	1.6	3.3	1.1	3.2
E	2.2	1.2	.1	.0	.0		3.6	6.6	1.8	2.2	6.1	2.9	3.0
SE	1.6	.7	.1	.0	.0		2.3	6.0	2.3	.0	2.0	.9	2.9
S	1.6	.6	.1	.0	.0		2.3	5.8	3.2	1.2	2.9	2.6	1.1
SW	5.0	3.1	.1	.0	.0		8.1	6.4	15.1	8.0	7.3	17.3	3.1
W	16.4	21.3	.9	.0	.0		38.5	8.0	56.3	55.2	37.5	44.0	26.8
NW	11.1	11.7	.6	.0	.0		23.3	7.4	19.1	18.0	20.1	20.7	32.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	11.3						11.3	.0	5.3	9.6	16.1	7.7	12.8
TOT OBS	4417	2444	147	4	1	8215		6.5	1411	125	1754	117	1801
TOT PCT	56.2	41.9	1.8	.1	.0	100.0			100.0	100.0	100.0	100.0	100.0

APRIL

 PE-1001 (PRIMARY) 1953-1979
 (OVER-ALL) 1862-1979

 AREA 0007 ACAPULCC SOLTH
 15.7N 96.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	5.6	10.8	60.6	22.4	.6	.0	.0	7.9	100.0	2036
0600	15.6	12.1	58.2	13.8	.3	.1	.0	6.3	100.0	1876
1200	12.5	16.2	61.3	9.8	.4	.0	.0	6.0	100.0	2017
1800	12.0	18.5	58.7	10.6	.2	.0	.0	5.8	100.0	2286
TOT	932	1197	4902	1152	30	2	0	6.5		8215
PCT	11.3	14.6	59.7	14.0	.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	4.4	1.4	1.2	.5		2.6
NE	1.8	.7	.5	.7		2.5
E	2.0	.9	.7	.3		2.9
SE	1.2	.5	.4	.1		2.8
S	1.3	.6	.4	.1		2.7
SW	4.7	1.4	1.2	.4		2.3
W	24.4	7.2	5.1	1.4		2.1
NW	14.0	5.0	3.2	1.2		2.4
VAR	.0	.0	.0	.0		.0
CALM	7.5	1.6	1.7	.7		2.2
TOT OBS	3808	1191	899	309	6207	
TOT PCT	61.4	19.2	14.5	5.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIRECTION																		
WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	000 144	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	NM <5/8 ANY HGT	TOTAL OBS
N	4.4	1.4	1.2	.5	2.6			.0	*	.1	.2	.1	*	*	*	*	.1	6.8
NE	1.8	.7	.5	.7	2.5			.0	*	*	.1	*	*	*	*	*	*	2.9
E	2.0	.9	.7	.3	2.9			.0	*	.1	.1	.1	*	*	*	.0	*	3.4
SE	1.2	.5	.4	.1	2.8			.0	.0	.1	.1	.1	*	*	*	*	*	1.9
S	1.3	.6	.4	.1	2.7			.0	*	*	.1	.0	*	*	.0	*	*	2.2
SW	4.7	1.4	1.2	.4	2.3			*	*	.1	.2	.2	*	*	*	*	*	7.0
W	24.4	7.2	5.1	1.4	2.1			*	.1	.3	.8	.6	.2	.1	.1	.1	.1	35.7
NW	14.0	5.0	3.2	1.2	2.4			*	.0	.1	.2	.8	.2	.1	.1	.1	.1	21.7
VAR	.0	.0	.2	.0	.2			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.5	1.6	1.7	.7	2.2			.0	*	.2	.3	.1	.1	*	*	*	.0	10.7
TOT OBS	3408	1191	899	309	6207	2.3	8	3	24	67	170	91	45	19	16	28	5736	6207
TOT PCT	61.4	19.2	14.5	5.0	100.0		.1	*	.4	1.1	2.7	1.5	.7	.3	.3	.5	92.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
= OR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >2000	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >1000	5.2	5.8	5.9	5.9	5.9	5.9	5.9	5.9
= OR >600	6.1	6.9	6.9	6.9	6.9	7.0	7.0	7.0
= OR >300	6.4	7.2	7.3	7.3	7.3	7.3	7.3	7.3
= OR >150	6.4	7.3	7.4	7.4	7.4	7.4	7.4	7.4
= OR >0	6.5	7.4	7.5	7.5	7.5	7.5	7.5	7.5
TOTAL	415	471	477	478	478	479	479	479

TOTAL NUMBER OF OBS: 5772

PCT FREQ NM <5/8: 92.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
44.1	20.1	14.0	8.5	5.5	2.7	2.1	1.4	1.5	.1	6683

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1962-1979AREA 0007 ALAPULCC SOUTH
15.7N 98.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.1	.0	.0	.0	.0	.0	.2	.1	.0	.1	.4	.4
	TOT %	.1	.0	.0	.0	.0	.0	.2	.1	.0	.1	.4	.4
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.6	.2	.4	.3	.2	.8	2.9	1.9	.0	1.3	8.6	8.6
	TOT %	.6	.2	.4	.3	.2	.8	2.9	1.9	.0	1.3	8.6	8.6
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP	6.6	3.1	3.2	2.0	2.1	7.2	35.5	21.4	.0	9.8	90.8	90.8
	TOT %	6.6	3.1	3.2	2.0	2.1	7.2	35.5	21.4	.0	9.8	90.8	90.8
TOT OBS													7671
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	.3
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.0	.0	.0	.0	.0	.2	.2	.0	.1	.6	.6
5<10	0-3	.2	.1	.1	.1	.1	.3	.5	.2	.0	1.3	2.8	2.8
	4-10	.4	.1	.2	.2	.1	.4	1.9	1.3	.0	.0	4.5	4.5
	11-21	.0	.0	.1	.0	.0	.1	.4	.3	.0	.0	1.0	1.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.6	.2	.4	.3	.2	.8	2.8	1.8	.0	1.3	8.4	8.4
10+	0-3	1.9	.7	.9	.6	.5	1.5	3.9	2.8	.0	9.8	22.5	22.5
	4-10	4.2	2.0	1.8	1.2	1.3	5.0	24.0	15.3	.0	.0	54.9	54.9
	11-21	.4	.3	.4	.2	.2	.7	7.4	3.2	.0	.0	13.0	13.0
	22+	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.3	.3
	TOT %	6.6	3.1	3.2	2.0	2.0	7.2	35.6	21.3	.0	9.8	90.8	90.8
TOT OBS													7984
TOT PCT													100.0

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1962-1979APLA DCO7 ACAPULCC SOLTH
15.7N 98.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 1/8) AND
OCCURRENCE OF NM 5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM 5/8 JAT HGT	TOTAL OBS
00003	.1	.1	.4	.7	2.7	1.3	.4	.5	.2	.4	6.7	93.8	1682
06009	.1	.0	.1	.5	2.0	1.3	.6	.1	.4	.5	5.7	94.3	1508
12015	.1	.0	.4	2.0	3.9	1.6	1.0	.1	.1	.4	9.6	4	1633
18021	.2	.1	.3	.9	2.0	1.4	.8	.4	.3	.5	7.1	92.9	1820
TOT	0	3	24	68	175	94	45	19	17	30	483	6160	6843
PCT	.1	0	.4	1.0	2.6	1.4	.7	.3	.3	.5	7.3	92.7	100.0

TABLE 11

PERCENT FREQUENCY SP+ (NM) P+ HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10	TOTAL OBS
00003	.1	.1	.0	.5	6.4	92.8	2010
06009	.1	.0	.1	.6	7.3	91.7	1892
12015	.1	.0	.4	.7	10.9	88.2	2016
18021	.1	.0	.1	.6	9.1	90.1	2297
TOT	10	2	4	55	697	7447	8215
PCT	.1	0	0	.7	8.5	90.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM 1/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM 5/8 AND 5+	TOTAL OBS
00003	.1	.6	1.5	5.7	92.8	1613
06009	.1	.3	1.6	4.9	93.5	1446
12015	.1	.8	3.1	7.0	89.9	1562
18021	.2	.6	1.9	5.7	92.4	1746
TOT	8	37	131	271	5876	6374
PCT	.1	.6	2.1	5.8	92.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	0	0	0	.0	.0	.0	5	.1
90/94	.0	.0	0	.3	.8	.4	.1	0	100	1.6
85/89	.0	.0	.1	.5	5.7	6.4	2.1	.4	1153	18.1
80/84	.0	.0	.0	.5	8.2	30.4	20.3	3.7	4010	63.1
75/79	.0	.0	.0	.1	.4	4.8	8.4	2.7	1038	16.3
70/74	.0	.0	.0	.0	0	.1	.3	.3	46	.7
65/69	.0	.0	.0	.0	.0	.0	0	.0	1	0
TOTAL	0	0	8	84	965	2886	1976	454	6353	100.0
PCT	.0	.0	.1	1.3	15.2	45.1	31.1	7.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	0	0	.0	.0	0	0	.0	.0
90/94	.1	0	.1	0	.1	.1	.6	.4	.0	.1
85/89	.1	.5	.5	.5	.6	1.7	6.9	4.1	.0	2.1
80/84	.4	1.8	2.4	1.5	1.5	4.6	25.1	14.2	.0	7.3
75/79	1.6	.8	.8	.3	.2	.8	5.4	4.3	.0	2.3
70/74	.1	0	0	0	0	0	.2	.2	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	7.4	3.2	3.8	2.4	2.3	7.4	38.2	23.3	.0	12.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	90	88	83	80	77	70	83.4	2060
06009	96	86	84	81	77	75	69	81.0	1927
12015	92	85	84	80	76	73	69	80.0	2065
18021	97	92	89	84	79	75	68	83.8	2324
TOT	97	90	88	82	77	75	68	82.1	6376

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.5	22.0	51.6	21.4	3.4	75	1633		
06009	.0	.7	7.0	40.7	41.8	9.7	80	1520		
12015	.0	.3	5.1	36.8	45.0	12.8	91	1612		
18021	.0	3.1	24.7	50.8	18.1	3.3	74	1770		
TOT	0	96	487	2954	2031	467	77	6535		

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1862-1979AREA C007 ACAPLCC SOUTH
15.7N 98.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	MO FOG
14/16	.0	.0	.0	*	*	*	*	8	.0	.1
11/13	.0	.0	.0	*	.1	.1	.1	16	.0	.2
9/10	.0	.0	*	.1	.2	.2	.1	42	.0	.6
7/8	.0	.0	*	.2	.4	.5	.1	90	.0	1.2
6	.0	.0	*	.3	.7	.3	.0	93	.0	1.3
5	.0	.0	.1	.4	1.2	.5	.0	158	.0	2.2
4	.0	*	.2	1.3	1.5	.4	*	243	.0	3.4
3	.0	*	.3	1.4	2.0	.2	.0	284	.0	3.9
2	.0	.0	.5	3.7	2.9	.1	*	524	*	7.2
1	.0	*	.8	4.3	2.5	*	.0	550	*	7.6
0	.0	.1	1.8	9.9	2.5	.1	.0	1041	*	14.4
-1	.0	.2	2.4	7.8	1.4	*	.0	854	.0	11.9
-2	*	.2	4.9	10.1	.7	*	.0	1144	*	15.8
-3	.0	.3	4.1	5.6	.3	.0	.0	471	*	10.3
-4	*	.5	4.0	3.9	.1	.0	.0	617	.0	8.6
-5	*	.3	3.1	2.0	.1	.0	.0	401	*	5.4
-6	.0	.3	1.6	.6	.0	.0	.0	184	.0	2.6
-7/-8	*	.3	1.3	.4	.0	.0	.0	151	*	2.1
-9/-10	*	.2	.3	.1	*	.0	.0	40	.0	.6
-11/-13	*	.1	.1	*	.0	.0	.	14	.0	.2
-14/-16	*	.0	*	.0	.0	.0	.0	4	.0	.1
-17/-19	*	.0	.0	.	.0	.0	.	1	.0	*
TOTAL	16	1837	3762	1200	175	22		7203	13	7190
PCT	.2	2.7	25.5	52.2	16.7	2.4	.3	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.2	.1	.0	.0	.0	2.1	.3	.6	.0	.0	.0	.0	.8
1-2	.6	2.6	.1	.0	.0	.0	3.3	.2	.9	.3	.0	.0	.0	1.3
3-4	.3	.7	.2	.0	.0	.0	1.2	.1	.3	.1	.0	.0	.0	.5
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	4.6	.3	.0	.0	.0	6.6	.5	1.5	.5	.1	.0	.0	2.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.3	.1	.0	.0	.0	1.1	.3	.3	.0	.0	.0	.0	.6
1-2	.2	.7	.3	.0	.0	.0	1.3	.1	.4	.1	.0	.0	.0	.7
3-4	.0	.3	.5	.0	.0	.0	.8	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	1.3	1.0	.0	.0	.0	3.3	.4	1.0	.3	.0	.0	.0	1.7

PERIOD: (OVER-ALL) 1963-1979

APRIL

AREA DCC7 ACAPULCO SOUTH
15.7N 98.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.3	.6	.0	.0	.0	.0	.8	.9	1.9	.1	.0	.0	.0	2.8
1-2	.2	.7	.1	.0	.0	.0	1.0	.3	2.6	.2	.0	.0	.0	3.1
3-4	.0	.1	.0	.0	.0	.0	.1	.1	.5	.5	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	.1	.0	.0	.0	2.0	1.3	5.1	.9	.0	.0	.0	7.2

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.0	5.8	.0	.0	.0	.0	7.8	1.2	4.4	.1	.0	.0	.0	5.7
1-2	1.3	16.2	3.7	.0	.0	.0	21.2	1.2	10.2	1.5	.0	.0	.0	12.8
3-4	.1	5.2	3.2	.1	.0	.0	8.7	.1	3.5	.9	.0	.0	.0	4.5
5-6	.0	.6	1.6	.0	.0	.0	2.2	.0	.5	.7	.0	.0	.0	1.2
7	.0	.1	.3	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.5	27.8	8.9	.1	.0	.0	40.4	2.4	18.6	3.3	.0	.0	.0	88.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.0	15.0	.3	.0	.0	.0	33.3	
1-2	4.6	34.0	6.3	.0	.0	.0	44.9	
3-4	.9	10.7	5.4	.1	.0	.0	17.1	
5-6	.0	1.3	2.5	.1	.0	.0	3.9	
7	.0	.1	.5	.0	.0	.0	.6	
8-9	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.5	61.2	15.1	.2	.0	.0	100.0	1488

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT	
<6	9.7	25.6	14.7	3.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3045	2
6-7	.3	3.0	5.8	3.3	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	768	4
8-9	.1	1.5	2.8	1.6	.6	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	394	4
10-11	.0	1.2	1.4	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	218	4
12-13	.0	.0	1.1	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	4
>13	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
INDEX	12.7	2.7	2.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1028	1
TOTAL	1266	1891	1565	602	155	68	21	10	5	3	0	0	0	0	0	0	0	0	0	0	5586	2
PCT	22.7	33.9	28.0	10.8	2.8	1.2	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MAY

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SH&R	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HCLR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SMOG	NO SIG WEA
N	1.2	.3	.6	.0	.0	.0	.0	1.9	1.3	2.8	.7	.0	8.8	.0	84.6
NE	2.1	.7	.3	.0	.0	.0	.0	3.0	3.0	4.6	2.1	.0	7.6	.0	79.9
E	6.6	1.4	1.5	.0	.0	.0	.0	9.3	3.9	5.3	.2	.0	4.2	.3	77.3
SE	4.2	2.2	1.0	.0	.0	.0	.0	7.4	2.9	6.2	.0	.0	5.5	.4	77.7
S	3.6	.9	.9	.0	.0	.0	.0	5.1	2.1	5.1	.0	.0	3.3	.0	84.6
SW	.7	.3	.1	.0	.0	.0	.0	1.1	.5	3.2	.7	.0	9.2	.1	85.3
W	.2	.2	.1	.0	.0	.0	.0	.5	.2	.9	.5	.0	7.2	.1	90.6
NW	.4	.3	.2	.0	.0	.0	.0	.9	.3	1.7	.3	.0	6.8	.1	89.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.3	.0	.0	.0	.0	.0	.4	.4	2.6	.2	.0	15.6	.1	80.6
TOT PCT	1.0	.4	.3	.0	.0	.0	.0	1.7	.8	2.3	.5	.0	8.0	.1	86.7
TOT OBS:	8679														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HCLR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLNG SNOW	NO SIG WEA
0000	.4	.2	.2	.0	.0	.0	.0	.8	.3	.4	.4	.0	7.8	.0	90.2
0600	1.1	.6	.2	.0	.0	.0	.0	1.8	.9	6.5	.5	.0	6.1	.0	84.5
1200	1.7	.8	.6	.0	.0	.0	.0	3.0	1.5	2.7	.7	.0	6.9	.2	85.1
1800	.9	.3	.2	.0	.0	.0	.0	1.4	.6	.1	.6	.0	10.1	.1	87.1
TOT PCT	1.0	.5	.3	.0	.0	.0	.0	1.7	.8	2.3	.5	.0	7.8	.1	86.7
TOT OBS:	8943														

TABLE 3

PERCENTAL WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.6	4.7	.5	.0	.0	.0		6.8	6.1	2.5	1.6	5.6	3.7	12.5	7.1	7.4	6.5
NE	.8	2.3	.3	.1	.0	.0		3.5	6.6	1.7	4.4	3.5	5.2	4.9	6.4	3.3	4.1
E	.8	3.0	.9	.2	.0	.0		5.0	9.0	2.7	3.7	4.6	7.8	6.0	7.5	6.0	8.7
SE	.8	2.4	.8	.1	.0	.0		4.1	8.4	4.8	4.4	4.4	3.3	2.9	5.0	4.3	5.1
S	.9	2.1	.4	.1	.0	.0		3.4	6.8	5.3	6.5	4.0	3.9	1.7	2.8	2.5	4.4
SW	1.7	6.0	1.1	.0	.0	.0		8.7	6.6	17.4	16.5	7.6	10.0	2.9	4.3	6.5	7.4
W	4.2	24.3	7.2	.1	.0	.0		35.7	8.0	48.7	43.5	38.1	37.6	24.5	31.6	31.6	38.6
NW	3.4	15.1	3.6	.0	.0	.0		22.1	7.4	11.4	17.3	18.4	18.9	32.7	28.6	25.8	20.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.6							10.6	.0	5.5	2.1	13.6	4.6	11.7	6.7	12.7	7.1
TOT OBS	2277	5502	1369	58	8	6	9220	6.8		2108	142	2017	135	2026	239	2383	170
TOT PCT	24.7	59.7	14.8	.6	.1	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41°	TOTAL CRS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00 03	06 09	12 15	18 21
N	4.7	2.0	.1	.0	.0	6.8	6.1	2.4	5.4	12.0	7.3	
NE	2.1	1.3	.1	.0	.0	3.5	6.6	1.9	3.6	5.1	3.4	
E	2.4	2.2	.3	.1	.1	5.0	9.0	2.8	4.8	6.2	6.2	
SE	2.1	1.6	.3	.1	.0	4.1	8.4	4.8	4.3	3.1	4.3	
S	2.1	1.2	.1	.0	.0	3.4	6.8	5.4	4.0	1.8	2.6	
SW	5.0	3.6	.1	.0	.0	8.7	6.6	17.4	8.0	3.1	6.6	
W	15.2	19.5	1.1	.0	.0	35.7	8.0	48.4	38.0	25.3	31.9	
NW	10.8	11.0	.4	.0	.0	22.1	7.4	11.8	18.4	32.3	25.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.6					10.6	.0	5.3	13.4	11.2	12.3	
TOT OBS	5058	3899	233	22	8	9220		2250	2152	2265	2553	
TOT PCT	54.9	42.3	2.5	.2	.1		100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MAY

AREA C007 ACAPULCC SOLT-
15.7N 98.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	5.3	11.0	31.9	21.1	.6	.1	.0	7.9	100.0	2250
0600	13.4	13.4	58.8	13.8	.7	.1	.1	6.5	100.0	2152
1200	11.2	15.2	60.5	12.6	.4	.0	.0	6.3	100.0	2265
1800	12.3	16.6	57.7	12.4	.8	.1	.1	6.3	100.0	2553
TOT	974	1303	5502	1369	58	8	6	6.8		9220
PCT	10.6	14.1	59.7	14.8	.6	.1	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	2.5	1.4	2.1	1.1		4.0
NE	1.1	.6	.9	.7		4.2
E	1.0	.9	1.4	1.4		5.0
SE	.9	.7	1.5	1.1		5.1
S	1.2	.9	1.0	.6		4.2
SW	3.5	1.9	2.2	.4		3.4
W	16.8	8.1	7.6	3.1		3.1
NW	9.4	5.0	5.4	2.3		3.4
VAR	.0	.0	.0	.0		.0
CALM	5.1	2.0	2.4	1.5		3.3
TOT OBS	2883	1475	1725	872	6955	3.5
TOT PCT	41.5	21.2	24.8	12.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) >4/9
AND OCCURRENCE OF AM <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	AM <5/8 ANY HGT	TOTAL
149	209	599	909	1099	3499	4099	6499	7999				
N	.0	.0	.1	.4	.4	.3	.1	.1	.0	.0	5.8	
NE	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	2.6	
E	.1	.0	.1	.4	.7	.1	.1	.1	.0	.0	3.3	
SE	.1	.0	.1	.3	.5	.2	.1	.0	.0	.1	3.0	
S	.1	.0	.1	.1	.3	.1	.0	.0	.0	.0	2.4	
SW	.1	.0	.0	.2	.4	.1	.1	.0	.0	.0	7.4	
W	.2	.0	.1	.6	1.4	.8	.3	.2	.1	.2	31.7	
NW	.1	.0	.1	.6	1.0	.5	.4	.1	.2	.2	19.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.1	.7	.5	.2	.1	.0	.0	.7	9.4	
TOT OBS	42	11	39	210	379	170	85	36	28	64	5888	6955
TOT PCT	.6	.2	.6	3.0	5.4	2.4	1.2	.6	.4	.9	84.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MM >4/8) AND VSBY (MP)

CEILING (FEET)	≥ CR >10	≥ CR >5	≥ CR >2	VSBY (MM)				≥ CR >5000	≥ CR >0
				≥ CR >1	≥ CR >1/2	≥ CR >1/4	≥ CR >5000		
≥ CR >6500	1.1	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ CR >5000	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ CR >3500	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
≥ CR >2000	4.5	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
≥ CR >1000	8.9	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9
≥ CR >600	11.2	13.4	13.8	13.8	13.9	13.9	13.9	13.9	13.9
≥ CR >300	11.6	14.1	14.3	14.4	14.4	14.4	14.4	14.4	14.4
≥ CR >150	11.7	14.2	14.5	14.5	14.6	14.6	14.6	14.6	14.6
≥ CR >0	12.1	14.8	15.1	15.1	15.2	15.2	15.2	15.2	15.2
TOTAL	8.4	10.52	10.75	10.78	10.81	10.82	10.84	10.85	

TOTAL NUMBER OF OBS: 7131

PCT FREQ AM <5/8: 84.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
29.1	18.0	16.9	12.1	7.7	4.2	3.9	3.1	4.5	.4	7589

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1861-1979

MAY

AREA CDD? ACAPLCC SOLTH
15.7% 98.9%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	.0	.0	0	.0	.0	.0	0	0	.0	.0	0	
	TOT %	.0	.0	0	.0	.0	.0	0	0	.0	.0	.1	
1/2<1	PCP	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	
	NO PCP	0	.0	.0	.0	.0	0	.0	.0	.0	.0	0	
	TOT %	0	.0	0	0	.0	0	.0	.0	.0	.0	.1	
1<2	PCP	0	0	0	0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	0	0	.0	.0	.0	0	.0	.0	.0	.1	
	TOT %	0	0	.1	0	.0	.0	0	.0	.0	.0	.1	
2<5	PCP	0	0	.1	0	.0	0	0	0	.0	0	.2	
	NO PCP	.1	.1	.1	.1	.1	.1	.2	.1	.0	0	.7	
	TOT %	.1	.1	.1	.1	.1	0	.2	.1	.0	0	.9	
5<10	PCP	0	.1	.2	.2	.1	0	.1	0	.0	0	.7	
	NO PCP	.0	.5	.6	.6	.3	1.2	3.3	2.0	.0	1.9	11.2	
	TOT %	.9	.6	.8	.7	.4	1.2	3.4	2.1	.0	1.9	11.9	
10+	PCP	.1	0	.1	.1	.1	.1	.1	.1	.0	0	.7	
	NO PCP	5.9	2.8	3.8	7.2	2.8	7.4	32.2	19.6	.0	9.6	86.3	
	TOT %	5.9	2.8	3.9	7.3	2.9	7.5	32.3	19.7	.0	9.6	87.0	
TOT OBS													8665
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	0	0	.0	.0	0	
	4-10	.0	.0	.0	.0	.0	.0	0	0	.0	.0	.1	
	11-21	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	.0	0	.0	.0	.0	.0	0	.0	.0	0	
	TOT %	.0	.0	0	.0	.0	.0	.1	0	.0	.0	.1	
1/2<1	0-3	.0	0	0	.0	.0	0	.0	.0	.0	.0	0	
	4-10	0	.0	.0	.0	.0	0	0	.0	.0	.0	0	
	11-21	.0	.0	0	0	.0	.0	.0	.0	.0	.0	0	
	22+	.0	.0	.0	0	0	.0	.0	.0	.0	.0	0	
	TOT %	0	0	0	0	.0	0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	0	0	.0	.0	0	.0	.0	0	.1	
	4-10	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	0	
	11-21	0	0	0	0	.0	.0	0	0	.0	.0	.1	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	0	0	.1	0	.0	.0	.1	0	.0	0	.2	
2<5	0-3	0	0	0	0	0	0	0	.1	.0	.1	.3	
	4-10	.1	0	.1	.1	0	0	.1	.1	.0	.0	.5	
	11-21	.0	0	0	0	0	0	0	0	.0	.0	.2	
	22+	.0	.0	0	0	0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.1	.2	.1	.1	0	.2	.2	.0	.1	1.1	
5<10	0-3	.2	.2	.1	.1	.1	.3	.6	.4	.0	1.9	3.9	
	4-10	.6	.3	.4	.4	.3	.8	2.2	1.3	.0	6.3	6.3	
	11-21	.1	.1	.2	.2	0	.1	.6	.2	.0	1.4	1.4	
	22+	0	0	.1	.1	0	0	.0	.0	.0	.2	.2	
	TOT %	.9	.6	.8	.7	.4	1.2	3.3	2.0	.0	1.9	11.8	
10+	0-3	1.4	.6	.7	.6	.8	1.3	3.5	2.7	.0	8.6	20.3	
	4-10	4.1	1.9	2.5	2.0	1.8	5.1	21.9	13.6	.0	52.6	52.6	
	11-21	.4	.3	.7	.6	.3	1.0	6.4	3.4	.0	13.1	13.1	
	22+	0	.1	.1	.1	0	0	.1	0	.0	.3	.3	
	TOT %	5.9	2.8	4.0	3.3	2.9	7.4	32.1	19.7	.0	8.6	86.7	
TOT OBS													8965
TOT PCT													100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MAT
TABLE 10

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM 5/8 ALL HGT	TOTAL OBS
00003	.4	.1	.3	1.6	3.2	1.4	.6	.3	.4	1.0	9.3	90.7	1880
06009	1.0	.1	.6	3.0	4.9	2.2	.9	.5	.4	.7	14.4	85.6	1744
12015	.4	.1	.8	4.8	6.7	3.2	1.5	.7	.4	1.0	19.6	80.4	1807
18021	.5	.3	.4	2.3	5.9	2.5	1.5	.5	.4	.9	15.3	84.7	2028
TOT	44	11	39	216	386	173	85	39	30	67	1090	5369	7459
PCT	.4	.1	.5	2.9	5.2	2.3	1.1	.5	.4	.9	14.6	85.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.1	1.3	9.3	89.3	2221
06009	.2	.1	.2	.7	11.6	87.2	2187
12015	.2	.0	.2	1.5	14.2	83.8	2266
18021	.1	.2	.3	1.1	12.5	85.8	2556
TOT	12	9	19	105	1101	7984	9230
PCT	.1	.1	.2	1.1	11.9	86.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) 5/8 BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM 5/8 AND 5+	TOTAL OBS
00003	.4	.8	3.3	7.0	89.7	1786
06009	1.2	1.8	5.6	10.1	84.3	1650
12015	.5	1.6	7.4	13.8	79.0	1736
18021	.6	1.4	4.3	12.0	83.7	1956
TOT	45	99	385	763	6003	7131
PCT	.6	1.4	5.1	10.7	84.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	8	.1
90/94	.0	.0	.0	.4	2.0	1.0	.2	.1	263	3.6
85/89	.0	.0	.0	.3	6.2	17.4	4.7	.7	2140	29.3
80/84	.0	.0	.0	.2	4.3	25.5	25.8	4.2	4388	60.1
75/79	.0	.0	.0	.0	.1	1.5	2.9	2.4	498	6.8
70/74	.0	.0	.0	.0	.0	.0	.0	.1	6	.1
TOTAL	0	0	2	68	928	3212	2452	541	7303	100.0
PCT	.0	.0	.0	.9	12.7	45.4	33.6	7.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
.2	.1	.1	.1	.1	.1	1.3	.9	.0	.5
1.8	.9	1.4	1.3	1.3	3.1	10.4	5.8	.0	3.3
4.4	2.2	2.6	2.3	1.9	4.5	21.7	13.6	.0	6.8
.6	.3	.9	.4	.3	.2	1.8	1.5	.0	.8
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7.0	3.4	5.0	4.2	3.5	8.2	35.3	21.9	.0	11.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	992	952	502	52	12	MIN	MEAN	TOTAL OBS
00003	97	91	89	84	80	78	73	84.6	2277
06009	95	87	85	82	79	77	70	82.4	2230
12015	92	86	85	82	78	75	71	81.5	2316
18021	98	93	90	85	80	77	72	85.2	2408
TOT	98	92	89	83	79	76	70	83.5	9431

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.9	15.5	56.5	22.9	4.2	76	1858
06009	.0	.4	4.6	40.9	45.7	8.4	80	1815
12015	.0	.3	6.2	32.9	49.1	13.0	82	1826
18021	.0	2.1	24.4	49.9	19.2	4.4	74	2017
TOT	0	72	948	3397	2538	556	78	7511

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1461-1979

MAY

AREA 7007 ACAPULCO SOUTH
15.7N 98.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WET-DUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	% FOG	% FOG
14/16	.0	.0	.0	.0	.1	.0	.0	8	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	23	.0	.3
9/10	.0	.0	.0	.0	.2	.3	.1	48	.0	.6
7/8	.0	.0	.0	.1	.3	.6	.1	64	.0	1.2
6	.0	.0	.0	.1	.5	.6	.1	175	.0	1.3
5	.0	.0	.0	.0	.6	.9	.0	177	.0	2.1
4	.0	.0	.1	.7	1.6	.9	.0	266	.0	3.3
3	.0	.0	.1	.6	2.2	.7	.0	260	.0	3.6
2	.0	.0	.2	2.3	3.6	.5	.0	538	.0	6.6
1	.0	.0	.2	3.1	3.8	.1	.0	544	.1	7.2
0	.0	.0	.7	6.3	5.3	.2	.0	1185	.1	14.4
-1	.0	.0	.8	9.0	3.7	.0	.0	1023	.1	12.5
-2	.0	.0	.1	11.0	2.5	.0	.0	1223	.1	14.9
-3	.0	.0	.1	7.1	1.3	.0	.0	825	.0	10.3
-4	.0	.1	2.7	6.4	.6	.0	.0	760	.0	9.7
-5	.0	.1	1.9	3.5	.3	.0	.0	452	.0	5.5
-6	.0	.1	1.2	1.2	.1	.0	.0	208	.0	2.6
-7/-8	.0	.2	1.2	.8	.0	.0	.0	197	.0	2.3
-9/-10	.0	.2	.4	.2	.0	.0	.0	61	.0	.8
-11/-13	.0	.1	.0	.0	.0	.0	.0	15	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	5	1057	2184	38	1126	47	8079			
PCT	.0	.0	.0	.0	.0	.0	.0	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	6.5	.7	.1	.0	.0	7.1	.6	2.3	.4	.0	.0	.0	3.2

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.7	1.4	.1	.0	.0	4.8	.4	2.9	.7	.2	.1	.0	4.6

PERIOD: (OVER-ALL) 1963-1979

PAY

AREA 0007 ACAPULCO GULF
15.7N 98.9W

TABLE 10 (CONT)

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.5	.0	.0	.0	.0	.7	.6	1.7	.0	.0	.0	.0	2.3	
1-2	.1	1.0	.1	.0	.0	.0	1.2	.5	3.0	.4	.0	.0	.0	3.9	
3-4	.0	.5	.1	.0	.0	.0	.6	.2	.9	.5	.0	.0	.0	1.6	
5-6	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.3	
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	2.0	.3	.1	.0	.0	2.8	1.4	5.8	1.2	.0	.0	.0	8.4	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	2.0	5.3	.1	.0	.0	.0	7.4	1.1	4.5	.0	.0	.0	.0	5.6	
1-2	1.1	12.7	2.6	.0	.0	.0	16.4	1.2	9.2	1.6	.0	.0	.0	11.9	
3-4	.4	5.0	4.0	.1	.0	.0	9.5	.3	2.8	1.9	.0	.0	.0	4.0	
5-6	.0	.3	.7	.0	.0	.0	1.1	.0	.2	.7	.0	.0	.0	1.0	
7	.0	.1	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.4	23.5	7.7	.1	.0	.0	34.8	2.6	16.9	4.3	.0	.0	.0	23.8	86.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	16.9	16.5	.1	.0	.0	.0	33.5	
1-2	4.7	31.3	5.4	.0	.0	.0	41.4	
3-4	1.3	10.8	7.4	.2	.0	.0	19.7	
5-6	.2	.8	2.3	.1	.0	.0	3.5	
7	.0	.4	.6	.1	.0	.0	1.1	
8-9	.0	.1	.2	.2	.0	.0	.5	
10-11	.0	.0	.0	.1	.1	.1	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.1	60.0	16.2	.6	.1	.1	100.0	1813

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<1	7.7	22.2	14.9	4.1	1.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3255	2
1-2	.2	3.0	6.6	4.7	1.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1076	4
3-4	.1	1.6	3.0	2.3	.9	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	343	4
5-6	.0	.5	1.4	1.1	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	307	4
7-9	.0	.0	1.1	.6	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	151	5
10-11	.0	.0	.0	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	7
12-15	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1055	1
16-17	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	645	1
TOTAL	9.7	2.9	2.4	.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT	17.7	31.1	20.4	10.0	5.0	1.4	.8	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1983-1979

JUNE

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST BLUG SMOG	HC SIG WEA	
N	3.5	2.1	1.0	.0	.0	.0	.0	6.6	3.4	6.4	.0	.0	.4	.0	83.5	
NE	7.1	3.5	2.6	.0	.0	.0	.1	13.0	4.4	7.3	.2	.0	.4	.0	75.3	
E	8.8	3.7	2.0	.0	.0	.0	.1	14.5	6.7	4.7	.0	.0	.5	.1	73.9	
SE	8.6	4.4	2.1	.0	.0	.0	.0	10.9	5.9	4.9	.1	.0	.2	.0	76.4	
S	6.7	2.6	2.7	.0	.0	.0	.0	11.4	4.8	6.0	.0	.0	.2	.0	78.0	
SW	5.0	1.2	1.8	.0	.0	.0	.0	8.1	4.2	5.0	.0	.0	.3	.2	82.2	
W	2.7	2.0	.8	.0	.0	.0	.0	5.4	3.0	3.2	.4	.0	.6	.0	87.8	
NW	3.1	1.6	1.3	.0	.0	.0	.0	5.8	2.3	4.0	.2	.0	.0	.0	87.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALP	1.4	1.0	.4	.0	.0	.0	.0	2.9	1.3	5.5	.1	.0	2.6	.0	87.6	
TOT PCT	4.7	2.4	1.4	.0	.0	.0	.	8.6	3.9	4.7	.1	.0	.4	.	82.3	
1GT OBS:	8214															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	HC SIG WEA
0000	2.7	1.1	1.1	.0	.0	.0	.0	4.8	2.7	.8	.0	.0	.4	.0	91.0
0600	5.6	3.0	1.7	.0	.0	.0	.0	10.1	4.8	12.5	.1	.0	.5	.1	72.2
1200	7.4	3.8	1.9	.0	.0	.0	.	13.1	4.6	6.4	.1	.0	.5	.0	75.8
1800	3.9	2.0	1.0	.0	.0	.0	.0	6.8	3.2	.6	.0	.0	.8	.1	88.5
TOT PCT	4.9	2.4	1.4	.0	.0	.0	.	8.7	3.8	4.8	.1	.0	.4	.	82.2
TOT OBS:	8435														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND SPEED (KNOTS)											HOUR (GMT)							
WIND DIR	0-3	4-10	11-21	22-32	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21	
N	1.1	3.6	.6	.0	.0	.0	5.4	7.2	1.5	1.9	4.4	4.0	4.8	6.6	6.1	4.1	4.1	
NE	.8	3.8	.8	.1	.1	.0	5.7	8.1	2.5	7.2	4.9	4.9	8.6	10.1	6.0	6.6	6.6	
E	1.2	4.0	3.6	1.0	.2	.0	12.1	11.2	8.6	11.7	11.3	11.6	13.0	14.1	14.4	14.4	14.4	
SE	1.1	4.2	3.9	.6	.2	.0	12.1	11.1	11.5	12.4	12.7	15.6	8.8	12.4	12.2	16.8	16.8	
S	1.3	4.1	1.5	.2	.1	.0	7.2	8.6	11.6	12.8	7.4	10.1	3.7	5.4	5.6	7.5	7.5	
SW	1.2	5.8	1.7	.2	.1	.0	9.1	8.6	16.5	17.2	8.9	10.7	4.4	6.2	6.2	10.6	10.6	
W	2.5	15.4	6.7	.5	.0	.0	25.1	9.1	32.5	24.9	27.1	21.1	14.4	17.3	22.7	22.4	22.4	
NW	1.6	9.6	3.2	.2	.0	.0	14.8	8.3	8.8	6.5	11.4	13.9	21.7	19.2	17.5	13.5	13.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALP	6.7						8.7	.0	4.6	8.8	11.7	8.1	9.9	6.6	9.3	4.1	4.1	
TOT OBS	1725	4747	1907	252	58	14	8704		8.5	1972	181	1838	149	1882	257	2231	194	
TOT PCT	19.8	54.5	21.9	2.9	.7	.2	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	12	18
N	2.8	2.4	.1	.0	.		5.4	7.2	1.6	4.4	5.9
NE	3.0	2.4	.2	.1	.		5.7	8.1	2.9	4.9	6.0
E	2.9	5.8	1.9	.4	.		12.1	11.2	8.9	11.3	14.4
SE	3.7	4.3	1.7	.4	.		12.1	11.1	13.4	12.9	12.6
S	3.5	3.0	.5	.1	.		7.2	8.6	11.7	7.6	5.8
SW	4.0	4.4	.5	.1	.		9.1	8.6	16.1	9.0	6.8
W	9.4	13.7	1.8	.1	.		25.1	9.1	31.0	24.7	22.7
NW	6.3	7.8	.7	.0	.		14.8	8.3	8.4	11.6	17.2
VAR	.0	.0	.0	.0	.		.0	.0	.0	.0	.0
CALP	6.7						8.7	.0	5.0	11.4	8.5
TOT OBS	3938	3979	647	114	26	8704		8.5	2153	1987	2139
TOT PCT	45.2	45.7	7.4	1.3	.3				100.0	100.0	100.0

AR(4 CDC? ACAPLLCC SCCTH
15.74 98.64

PERCENTAGE FREQUENCY OF WIND SPEED BY NO. LIGHTS

HOUR	CAL#	1-3		4-10		WIND SPEED (KNOTS)		40+	W/EN	PCT FREQ	TOTAL CFS
		11-21	22-33	34-47	48+						
0600J	5.0	10.4	55.1	25.5	3.2	.7	.2	9.2	100.0	2153	
0600E	11.4	10.2	53.1	22.0	2.3	.7	.3	8.2	100.0	1987	
1201S	9.5	11.4	57.0	18.0	2.6	.6	.1	10.0	100.0	2126	
14021	8.0	12.0	61.0	21.0	3.1	.7	.1	8.0	100.0	2462	
1601	75.1	87.2	47.7	190.7	25.3	.6	1.0	8.5		8764	
PCT	8.1	11.2	58.5	21.9	2.9	.7	.2	100.0			

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (17.44-24.75)
AND OCCURRENCE OF 24 CM/9 FT WIND DIRECTION

[illegible]

CUMULATIVE PCT FREE OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (IN 20/21) AND VSBY (IN)

CEILING (FEET)	PSY (HPI)							
	1 CR 11C	2 CR 15	3 CR 12	4 CR 11	5 CR 11/2	6 CR 11/4	7 CR 15CVC	8 CR 1C
1 CR 34500	.7	.7	.7	.7	.7	.7	.7	.7
2 CR 35000	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3 CR 35500	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
4 CR 32000	7.0	7.4	8.1	8.4	8.2	8.2	8.2	8.2
5 CR 31000	15.9	16.7	19.3	19.4	19.4	19.4	19.4	19.4
6 CR 3400	21.6	26.4	27.4	27.6	27.7	27.8	27.8	27.8
7 CR 3100	22.4	28.0	29.2	29.6	29.6	29.6	29.6	29.6
8 CR 3150	22.7	28.4	29.7	30.1	30.3	30.3	30.4	30.4
9 CR 3100	22.9	28.6	29.8	30.2	30.3	30.3	30.3	30.3
TOTAL	183.1	195.5	205.1	206.9	210.5	210.5	211.0	211.0

LET FILED IN 65/8: 60.0

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBSCE	TOTAL GSS
6.9	15.4	20.1	16.4	11.0	6.9	2.0	5.0	10.5	-6	7140

PERIOD: (PLIMARY) 1953-1979
(OVER-ALL) 1981-1979

JUNE

AREA CODE SCAPULCO SOLTH
15.74 98.96

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	-1	0	.0	-1	0	.0	.0	.2	
	NO PCP	.0	0	0	0	0	.0	0	.0	.0	.0	.1	
	TOT 2	.0	0	0	-1	.1	.0	-1	0	.0	.0	.3	
1/2<1	PCP	.0	0	0	-1	0	-1	0	0	.0	.0	.2	
	NO PCP	.0	0	0	0	.0	0	0	0	.0	.0	.1	
	TOT 2	.0	0	.1	.1	0	-1	0	0	.0	.0	.3	
1<2	PCP	0	-1	-1	-1	-1	-1	-1	0	.0	0	.6	
	NO PCP	.0	0	0	0	0	0	0	0	.0	.0	.2	
	TOT 2	0	-1	-1	-2	-1	-1	-1	.1	.0	0	.7	
2<5	PCP	0	-1	-3	-2	-1	-1	-1	-1	.0	0	1.2	
	NO PCP	0	0	-1	-1	-1	-1	-1	-1	.0	0	.6	
	TOT 2	0	-2	-4	-3	-2	-2	-2	-2	.0	.1	1.8	
5<10	PCP	.2	.2	.6	.7	.6	.3	.5	.6	.0	.1	3.3	
	NO PCP	.3	.4	1.3	1.1	.5	.7	1.5	.8	.0	.5	7.2	
	TOT 2	.5	.6	1.9	1.8	.9	.9	1.9	1.2	.0	.6	10.6	
10<	PCP	.1	.2	.6	.6	.1	.2	.6	.3	.0	.1	3.0	
	NO PCP	4.8	4.2	8.6	9.0	5.8	7.6	22.4	13.1	.0	7.6	83.1	
	TOT 2	4.9	4.4	9.2	9.6	5.9	7.8	23.0	13.4	.0	7.7	86.2	
TOT OBS													9200
TOT PCT													5.5 5.6 11.0 12.1 7.1 9.0 25.4 14.9 .0 8.4 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD	N	NE	E	SE	S	SW	W	NW	VAR	CALP	PCT	TOTAL OBS
<1/2	0-5	.0	.0	0	.0	.0	0	0	.0	.0	.0	0	
	6-10	.0	.0	0	0	0	.0	0	.0	.0	.0	.1	
	11-21	.0	.0	.0	0	0	.0	0	0	.0	.0	0	
	22+	.0	0	0	-1	0	.0	0	0	.0	.0	.2	
	TOT 2	.0	0	.1	-1	.1	0	-1	0	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	.0	0	0	.0	0	0	0	.0	.0	.1	
	11-21	.0	.0	0	-1	0	0	0	0	.0	.0	.1	
	22+	.0	0	0	0	0	0	.0	.0	.0	.0	.2	
	TOT 2	0	0	.1	.1	0	.1	0	0	.0	.0	.4	
1<2	0-3	.0	.0	.0	0	.0	.0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	-1	-1	.0	.0	.3	
	11-21	0	0	0	-1	0	0	0	0	.0	.0	.2	
	22+	0	0	-1	-1	-1	0	0	.0	.0	.0	.3	
	TOT 2	0	.1	-1	-2	-1	.1	-1	-1	.0	0	.8	
2<5	0-3	.0	0	0	0	-1	0	0	0	.0	.1	.2	
	4-10	0	-1	-1	-1	-1	-1	-2	-1	.0	.0	.7	
	11-21	0	0	-1	-2	-1	-1	-2	0	.0	.0	.6	
	22+	.0	0	-2	-1	0	0	0	.0	.0	.0	.5	
	TOT 2	0	-2	-4	-4	-2	-2	-4	-2	.0	.1	2.1	
5<10	0-3	0	.1	.1	.1	.1	0	.1	.1	.0	.6	1.2	
	4-10	.3	.5	.6	.7	.6	.5	1.0	.7	.0	.7	4.8	
	11-21	.1	.2	.9	.7	.3	.3	.6	.3	.0	.3	3.4	
	22+	0	.1	.5	.2	0	.1	.2	0	.0	.0	1.1	
	TOT 2	.5	.8	1.9	1.8	.8	.9	1.9	1.2	.0	.6	10.5	
10<	0-3	1.0	.7	1.0	1.0	1.1	1.1	2.3	1.7	.0	7.9	17.9	
	4-10	3.2	3.2	5.2	5.3	3.6	5.2	14.3	8.8	.0		48.8	
	11-21	.6	.5	2.6	2.8	1.1	1.3	5.9	2.8	.0		17.6	
	22+	0	0	.5	.4	.1	.1	.4	.1	.0		1.5	
	TOT 2	4.8	4.4	9.2	9.5	6.2	7.7	22.4	13.4	.0	7.9	85.8	
TOT OBS													8999
TOT PCT													5.4 5.6 11.0 12.1 7.2 9.1 25.4 14.9 .0 8.4 100.0

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1883-1979

TABLE 10

AREA 0007 ACAPULCC SOLTH
15.7N 98.9WPERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	4500 6499	5000 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.4	.4	1.8	6.1	9.8	4.1	1.7	.7	.3	.6	26.0	74.0	1809
06009	1.7	.8	2.1	8.5	11.5	5.4	1.8	.8	.4	.1	33.2	66.8	1537
12015	1.1	.7	2.6	10.2	13.2	3.7	1.8	.6	.5	.5	34.8	65.2	1748
18021	.7	.4	1.6	7.4	9.5	4.5	2.6	.8	.3	.3	27.9	72.1	1954
TOT	67	38	143	565	769	310	140	52	25	26	2135	4913	7048
PCT	1.0	.5	2.0	8.0	10.9	4.4	2.0	.7	.4	.4	30.3	69.7	100.0

TABLE 11

PERCENT FREQUENCY VS BY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	.4	.5	1.5	7.7	89.6	2135
06009	.6	.6	.9	1.8	12.4	83.6	2008
12015	.3	.4	1.0	3.1	14.0	81.2	2149
18021	.5	.2	.7	1.8	8.3	88.6	2433
TOT	39	34	69	179	915	7489	8725
PCT	.4	.4	.8	2.1	10.5	85.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS BY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 CEILING	<600 CEILING	<1000 CEILING	1000+ AND/OR	NM <5/8 AND 5+	TOTAL OBS
00003	.5	3.0	9.9	17.4	72.7	1728
06009	1.7	5.0	14.5	20.0	65.6	1472
12015	1.2	4.7	16.4	19.9	63.7	1690
18021	.7	2.9	11.4	17.9	70.7	1872
TOT	67	258	876	1266	4620	6762
PCT	1.0	3.8	13.0	18.7	68.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
90/94	.0	.0	.0	.3	1.6	1.0	.2	.1	218	3.2
85/89	.0	.0	.0	.3	4.7	16.4	4.2	.8	1794	26.3
80/84	.0	.0	.0	.1	2.4	23.8	27.7	5.0	4031	59.1
75/79	.0	.0	.0	.0	.1	.7	4.1	6.0	741	10.9
70/74	.0	.0	.0	.0	.0	.0	.0	.5	33	.5
TOTAL	0	0	1	50	602	2661	7467	841	6822	100.0
PCT	.0	.0	.0	.7	8.8	41.9	36.2	12.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.3	.2	.2	.2	.2	.3	.9	.6	.0	.3
1.1	1.1	2.2	2.7	1.7	2.8	7.8	4.2	.0	2.8
3.4	3.3	7.1	7.0	4.1	4.9	14.8	6.7	.0	5.6
.6	.9	2.0	1.7	1.0	1.2	1.6	1.3	.0	.5
.0	.0	.1	.1	.1	.1	.1	.1	.0	.0
5.5	5.5	11.6	11.7	7.1	9.3	25.3	14.8	.0	6.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	91	89	84	79	76	70	84.1	2173
06009	92	87	86	82	78	75	73	82.1	2040
12015	95	86	85	82	76	74	69	81.2	2182
18021	97	92	90	85	78	75	72	84.5	2467
TOT	97	91	89	83	78	75	69	83.0	8862

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.7	11.4	50.7	28.7	8.4	76	1757
06009	.0	.2	3.5	37.2	44.2	14.8	82	1644
12015	.0	.3	2.4	29.0	49.3	18.9	83	1743
18021	.0	1.6	16.9	50.8	73.1	7.6	76	1863
TOT	0	52	614	2956	2522	863	79	7007

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1983-1979

JUNE

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
14/16	.0	.0	.0	.0	*	.0	*	5	.0	.1
11/13	.0	.0	.0	*	*	.1	*	12	.0	.2
9/10	.0	.0	.0	.1	.1	.1	.1	24	.0	.3
7/8	.0	.0	*	.2	.2	.4	.1	72	.0	.4
6	.0	.0	*	.1	.2	.5	.1	71	.0	.9
5	.0	.0	*	.2	.7	.7	*	125	.0	1.6
4	.0	.0	*	.4	1.3	.9	.1	201	.0	2.6
3	.0	.0	.1	.4	1.8	.7	.0	229	.0	3.0
2	.0	.0	.1	1.6	3.3	.4	.0	416	.0	5.4
1	.0	.0	.2	2.1	3.6	.1	.0	465	.0	6.1
0	.0	*	.4	6.6	5.3	.1	.0	951	.0	12.4
-1	.0	.0	.4	7.1	3.8	.1	.0	868	*	11.3
-2	*	*	1.3	11.4	2.0	.0	.0	1125	*	14.7
-3	.0	.1	1.3	8.1	1.0	.0	.0	807	*	10.5
-4	.0	.1	2.9	7.2	.6	.0	.0	824	.0	10.8
-5	.0	.2	2.7	3.9	.3	.0	.0	535	.0	7.0
-6	.0	.2	2.4	1.7	.1	.0	.0	331	.0	4.3
-7/-8	.0	.7	3.2	1.0	*	.0	.0	369	*	4.8
-9/-10	*	.7	1.2	.2	.0	.0	.0	165	.0	2.2
-11/-13	*	.3	.2	.1	.0	.0	.0	43	.0	.6
-14/-16	*	.1	.0	.0	.0	.0	.0	8	.0	.1
TOTAL	6	185	1234	4009	1869	312	31	7646	6	7640
PCT	.1	2.4	16.1	52.4	24.4	4.1	.4	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.0	.0	.0	.0	1.3	.3	.9	.0	.0	.0	.0	1.1
1-2	.3	2.1	.1	.0	.0	.0	2.5	.2	1.5	*	.0	.0	.0	1.7
3-4	.0	.6	.2	.0	.0	.0	.8	.1	.6	.1	.0	.0	.0	.8
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.0	.3	.1	*	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.6	.5	.0	.0	.0	4.9	.5	3.0	.5	.1	*	.0	4.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.0	.0	.0	.0	1.2	.3	.9	.0	.0	.0	.0	1.3
1-2	.2	2.6	.9	.0	.0	.0	3.8	.4	2.7	.8	.0	.0	.0	3.9
3-4	.2	.9	1.4	.0	.0	.0	2.6	.1	1.2	1.6	.1	.0	.0	2.9
5-6	.0	.2	.8	.2	*	.0	1.4	.0	.2	.7	.3	.0	.0	1.2
7	.0	*	.3	.5	.0	.0	.8	.0	.1	.5	.2	*	.0	.8
8-9	.0	.0	.1	.2	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.2	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.9	3.7	1.1	*	.0	10.3	.8	5.1	3.7	.9	.1	.0	10.6

PERIOD: (OVER-ALL) 1963-1979

JUNE

TABLE 18 (CONT)

AREA GDC7 ACAPULCO SCLTH
15.7N 98.9W

PCT REC OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.0	.0	.0	.0	1.9	.3	1.0	.0	.0	.0	.0	1.4
1-2	.2	1.9	.5	.0	.0	.0	2.7	.5	3.5	.4	.0	.0	.0	4.4
3-4	.1	.7	.4	.0	.0	.0	1.2	.1	1.6	.6	.1	.0	.0	2.4
5-6	.0	.2	.2	.0	.0	.0	.3	.0	.3	.4	.1	.0	.0	.8
7	.0	.0	.1	.1	.0	.0	.2	.0	.1	.3	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.1	1.2	.1	.0	.0	6.4	.9	6.6	1.7	.2	.0	.0	9.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	3.7	.2	.0	.0	.0	4.9	.7	1.9	.0	.0	.0	.0	2.6	
1-2	.8	9.4	1.5	.0	.0	.0	11.6	.6	6.6	1.7	.0	.0	.0	8.9	
3-4	.0	4.2	3.8	.1	.0	.0	8.1	.1	2.8	1.5	.0	.0	.0	4.4	
5-6	.0	.9	1.3	.2	.0	.0	2.4	.0	.5	.6	.1	.0	.0	1.3	
7	.0	.2	.8	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.1	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	18.3	7.7	.3	.0	.0	28.2	1.3	11.8	4.0	.2	.0	.0	17.3	91.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.4	11.5	.2	.0	.0	.0	25.1	
1-2	3.7	30.0	5.9	.0	.0	.0	39.7	
3-4	.7	12.4	9.4	.3	.0	.0	22.8	
5-6	.1	2.4	4.4	.9	.1	.0	7.8	
7	.0	.5	2.0	.8	.1	.0	3.3	
8-9	.0	.1	.2	.3	.0	.0	.6	
10-11	.0	.0	.1	.3	.0	.0	.4	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.1	.1	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.8	56.8	22.4	2.8	.2	.0	100.0	1682

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.5	14.8	14.4	6.0	2.2	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2715	3
6-7	.1	2.4	6.8	7.1	3.2	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1322	5
8-9	.0	1.0	2.8	5.5	2.3	1.2	.7	.2	.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	755	6
10-11	.0	.6	1.4	1.3	1.1	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	335	6
12-13	.0	.0	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	126	6
>13	.0	.0	.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	7
INDET	6.5	2.1	2.0	1.0	.7	.4	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	797	2
TOTAL	743	1281	1731	1224	603	267	141	47	52	13	15	3	5	1	0	0	0	0	0	6126	4
PCT	12.1	20.9	28.3	20.0	9.8	4.4	2.3	.8	.8	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(COVER-ALL) 1902-1979

JULY

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SPOKE HAZE	SPRAY BLUG DUST	NC SIG WEA
N	3.2	1.3	2.3	.0	.0	.0	.0	6.6	2.5	7.6	.1	.0	.3	.0	83.7
NE	5.5	1.9	1.7	.0	.0	.0	.0	9.1	3.2	6.8	.0	.0	.0	.0	82.1
E	7.3	4.2	1.9	.0	.0	.0	.0	13.2	4.5	7.3	.1	.0	.1	.1	75.5
SE	5.8	3.0	1.4	.0	.0	.0	.0	9.8	5.4	6.4	.0	.0	.5	.0	78.3
S	3.7	2.7	1.2	.0	.0	.0	.1	7.8	3.3	5.8	.1	.0	.1	.0	83.4
SW	1.5	2.5	1.1	.0	.0	.0	.0	7.3	2.8	6.1	.3	.0	.6	.0	83.1
W	2.0	.9	.7	.0	.0	.0	.0	3.6	1.5	7.1	.1	.0	.5	.1	87.4
NW	1.8	.7	.5	.0	.0	.0	.0	2.9	1.1	7.4	.1	.0	.3	.2	88.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7	.7	.1	.0	.0	.0	.0	1.4	1.4	9.4	.0	.0	1.2	.0	86.1
TOT PCT	3.7	1.9	1.1	.0	.0	.0	.	6.7	2.8	7.2	.1	.0	.4	.1	83.3
TOT OBS:	8212														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SPOKE HAZE	SPRAY BLUG DUST	NC SIG WEA
00003	1.9	1.6	.9	.0	.0	.0	.0	4.3	1.8	1.8	.	.0	.4	.	91.8
06009	4.1	2.7	1.4	.0	.0	.0	.	8.0	3.3	19.3	.1	.0	.4	.1	69.8
12015	6.1	2.3	1.6	.0	.0	.0	.0	10.0	3.7	8.9	.1	.0	.5	.	77.5
18021	2.8	1.3	.8	.0	.0	.0	.0	4.8	2.4	.7	.1	.0	.2	.	91.8
TOT PCT	3.7	2.0	1.2	.0	.0	.0	.	6.7	2.8	7.5	.1	.0	.4	.1	83.0
TOT OBS:	8456														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.6	5.6	.9	.	.0	.0		8.1	6.7		2.7	5.4	7.1	4.8	13.8	10.5	9.2	6.5
NE	1.2	4.7	1.3	.1	.	.		7.2	7.9		3.5	3.2	6.5	8.0	10.3	14.7	7.6	9.9
E	1.4	7.6	4.7	1.0	.3	.		15.0	11.1		10.1	10.0	16.2	13.4	17.5	17.8	16.2	17.4
SE	1.5	6.6	3.8	.8	.2	.		12.9	10.7		16.1	19.5	13.8	17.5	8.3	10.0	12.5	14.1
S	1.1	3.9	1.4	.2	.	.0		6.6	8.6		10.5	7.9	4.3	12.0	3.4	4.2	5.7	6.7
SW	1.3	4.6	.8	.1	.	.0		6.9	7.4		13.0	8.9	6.1	11.3	3.6	3.2	4.8	6.3
W	2.3	11.8	3.0	.1	.	.0		17.2	7.8		27.5	19.9	17.0	15.2	10.0	11.8	14.9	15.9
NW	2.1	11.6	3.0	.1	.	.0		16.7	7.8		9.8	15.2	14.5	11.0	21.9	22.0	3.2	20.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.4							9.4	.0		6.8	10.1	12.5	6.8	11.0	5.8	8.9	3.3
TOT OBS	1903	4923	1645	204	53	4	8732		7.9		1992	158	1948	146	1873	242	2189	184
TOT PCT	21.8	56.4	18.8	2.3	.6	.	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+						00	03	06	09	12	15	18	21
N	4.1	3.2	.2	.	.0			8.1	6.7		2.9	7.0	13.5	9.0				
NE	3.4	3.4	.3	.	.			7.2	7.9		3.5	6.6	10.8	7.8				
E	4.8	7.1	2.1	.5	.1			15.0	11.1		10.1	16.0	17.6	16.3				
SE	4.4	6.4	1.7	.4	.			12.9	10.7		16.4	14.0	8.5	12.6				
S	3.0	2.9	.5	.1	.			6.6	8.6		10.3	6.7	3.5	5.8				
SW	3.6	2.9	.2	.1	.0			6.9	7.4		12.7	6.5	3.6	4.9				
W	7.9	8.7	.5	.	.0			17.2	7.8		27.0	16.8	10.2	14.9				
NW	7.5	8.7	.5	.	.0			16.7	7.8		10.2	14.2	27.0	20.2				
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0				
CALM	9.4							9.4	.0		7.1	12.4	10.4	8.4				
TOT OBS	414	2824	525	106	13	4732			7.9		2150	2044	2115	2373				
TOT PCT	48.8	43.8	6.0	1.2	.1		100.0				100.0	100.0	100.0	100.0				

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979

JULY

AREA CDD7 ACAPULCC SGLTY
15.74 98.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				49+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	7.1	11.1	57.0	21.4	2.6	.6			8.5	100.0	2150
0400	12.1	11.2	54.6	18.9	2.4	.7		.1	7.9	100.0	2054
1200	10.4	13.5	57.0	16.5	2.0	.5		.0	7.3	100.0	2115
1600	8.4	13.5	56.8	18.3	2.4	.6			7.8	100.0	2173
TOT	825	1078	4923	1645	204	53			7.9		8732
PCT	9.4	12.3	56.4	18.8	2.3	.6			100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	1.9	1.8	2.9	1.6		4.7
NE	1.1	1.4	2.7	1.7		5.3
E	1.3	2.3	6.0	5.0		5.9
SE	1.0	1.9	5.7	3.6		5.9
S	.8	1.2	3.1	1.6		5.6
SW	1.1	1.6	2.7	1.5		5.2
W	4.0	5.1	6.6	2.1		4.4
NW	4.2	4.8	6.2	1.6		4.4
VAR	.0	.0	.0	.0		.0
CALM	2.5	2.4	3.7	1.1		4.3
TOT OBS	1194	1499	2635	1325	6653	5.0
TOT PCT	17.9	22.5	39.6	19.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM) >4/8
AND OCCURRENCE OF AM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER	000	150	300	600	1000	2000	3500	5000	6500	8000+	AM <5/8	TOTAL
							149	299	599	999	1999	3999	4999	6999	7999		ANY HGT	OBS
N	.1	.1	.1	.4	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	4.9	
NE	.1	.0	.2	.6	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
E	.3	.1	.4	1.6	2.1	.8	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	8.7	
SE	.1	.1	.3	1.5	1.9	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	7.4	
S	.1	.1	.1	.4	.9	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
SW	.1	.0	.2	.3	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.2	
W	.1	.1	.2	.7	1.1	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	14.4	
NW	.1	.0	.1	.7	1.2	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	17.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.1	.3	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.1	
TOT OBS	62	35	110	439	663	291	150	36	13	27	4827	6653						
TOT PCT	.9	.5	1.7	6.6	10.0	4.4	2.3	.5	.2	.4	72.6	100.0						

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM) >4/8 AND VSBY (AM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >5000	= OR >0
				= OR >1	= OR >1/2	= OR >1/4			
= OR >6500	.4	.7	.7	.7	.7	.7	.7	.7	.7
= OR >5000	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >3500	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >2000	6.9	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9
= OR >1000	15.1	17.2	17.7	17.8	17.8	17.8	17.8	17.8	17.8
= OR >600	19.4	23.2	24.1	24.3	24.3	24.3	24.4	24.4	24.4
= OR >300	20.2	24.5	25.7	25.8	25.9	26.0	26.0	26.0	26.0
= OR >150	20.6	24.8	26.1	26.3	26.4	26.5	26.5	26.5	26.5
= OR >0	20.9	25.5	26.8	27.2	27.3	27.4	27.5	27.5	27.5
TOTAL	14.14	17.47	18.38	18.59	18.67	18.77	18.80	18.81	

TOTAL NUMBER OF OBS: 6946

PCT FREQ AM <5/8: 72.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
8.2	17.9	19.3	15.1	11.3	6.5	6.8	5.6	8.8	.5	7274

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979

JULY

AREA 0007 ACAPLLCC SOUTH
15.7N 98.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0
	NC PCP	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0
TOT OBS												8198
TOT PCT												100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													8524
TOT PCT													100.0

JULY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979AREA CODE ACAPULCO SOLTH
15.74 98.94

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >N/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.4	.6	1.0	5.1	8.0	3.8	1.9	.4	.2	.6	22.0	78.0	1818
06009	1.4	.4	1.6	7.6	11.4	5.0	1.9	.4	.1	.6	30.4	69.6	1653
12015	1.3	.6	2.4	7.5	10.7	4.5	3.0	.8	.2	.4	31.2	68.8	1708
18021	.7	.4	1.4	5.5	8.4	3.8	2.0	.6	.3	.4	23.3	76.7	1937
TOT	65	35	113	453	677	301	156	39	13	34	1886	5210	7116
PCT	.9	.5	1.6	6.4	9.5	4.2	2.2	.5	.2	.5	26.5	73.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	.2	.4	1.2	6.6	91.4	2130
06009	.3	.2	.5	2.7	10.8	85.5	2141
12015	.3	.1	.8	3.1	10.1	85.5	2116
18021	.4	.2	.5	1.6	6.6	90.7	2382
TOT	28	18	46	187	743	7747	8769
PCT	.3	.2	.5	2.1	8.5	88.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING MGT (FEET, NM >N/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.4	2.2	8.0	15.2	76.9	1746
06009	1.4	3.7	10.2	19.2	68.2	1587
12015	1.4	4.6	13.5	19.3	67.2	1645
18021	.7	2.7	8.7	15.6	75.7	1868
TOT	66	222	724	1178	4944	6846
PCT	1.0	3.2	10.6	17.2	72.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
90/94	.0	.0	.0	.3	1.7	.8	.3	.1	226	3.3
85/89	.0	.0	.4	2.2	5.9	18.0	4.9	.9	2049	29.9
80/84	.0	.0	.0	.1	2.5	23.5	26.8	4.0	1898	56.9
75/79	.0	.0	.0	.0	.0	.6	4.0	4.6	635	9.3
70/74	.0	.0	.0	.0	.0	.0	.0	.5	33	.5
TOTAL	0	0	2	51	694	2936	2466	697	6346	100.0
PCT	.0	.0	.0	.7	10.1	42.9	36.0	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.3	.2	.3	.3	.2	.2	.6	.7	.0	.2
85/89	2.2	1.5	2.7	2.6	1.9	2.5	7.3	5.9	.0	1.3
80/84	4.9	4.5	9.2	7.6	3.6	3.5	8.3	9.4	.0	5.5
75/79	.8	.9	2.3	1.8	.7	.6	.8	.9	.0	.4
70/74	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
TOTAL	8.2	7.1	14.8	12.5	6.5	6.9	17.4	16.9	.0	5.2

TABLE 15

PEAKS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	92	90	85	80	76	70	84.5	2184
06009	96	87	86	82	78	75	70	82.3	2175
12015	94	86	85	82	77	74	71	81.4	2163
18021	97	93	90	85	78	75	70	84.8	2407
TOT	97	91	89	83	78	75	70	83.3	8929

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-64	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.6	15.4	51.5	27.1	5.3	77	1756
06009	.0	.2	3.7	37.0	46.3	12.9	81	1740
12015	.0	.1	2.7	31.3	50.7	15.2	52	1693
18021	.0	2.1	17.7	50.5	22.4	7.3	76	1845
TOT	0	55	707	3018	2562	712	79	7054

JULY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979AFCA 0007 ACAPULCO SOUTH
15.7N 98.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.1	.1	.1	15	.0	.2
9/10	.0	.0	.0	.0	.1	.1	.1	24	.0	.3
7/8	.0	.0	.0	.1	.2	.5	.2	65	.0	.8
6	.0	.0	.0	.1	.3	.6	.1	74	.0	1.0
5	.0	.0	.0	.1	.5	.7	.1	105	.0	1.4
4	.0	.0	.0	.1	1.5	.9	.0	218	.0	2.8
3	.0	.0	.0	.4	1.8	.8	.0	235	.0	3.1
2	.0	.0	.0	1.4	4.3	.6	.0	486	.0	6.3
1	.0	.0	.0	2.0	4.4	.3	.0	517	.0	6.7
0	.0	.0	.2	6.5	6.1	.1	.0	987	.0	12.9
-1	.0	.0	.3	7.6	4.0	.1	.0	917	.0	12.0
-2	.0	.0	.8	11.4	2.4	.0	.0	1116	.0	14.5
-3	.0	.1	1.0	8.3	.9	.0	.0	789	.0	10.3
-4	.0	.0	2.7	6.8	.5	.0	.0	748	.0	10.0
-5	.0	.1	2.5	4.0	.3	.0	.0	528	.0	6.9
-6	.0	.1	2.6	1.2	.1	.0	.0	302	.0	3.9
-7/-8	.0	.5	2.7	1.0	.0	.0	.0	320	.0	4.2
-9/-10	.0	.7	.8	.1	.0	.0	.0	131	.0	1.7
-11/-13	.0	.5	.2	.0	.0	.0	.0	56	.0	.7
-14/-16	.0	.1	.0	.0	.0	.0	.0	6	.0	.1
TOTAL	6	159	1048	3940	361	44	46	7660	.1	79.9
PCT	.1	2.1	13.9	51.4	27.2	4.7	.6	100.0	.1	79.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.3	.0	.0	.0	.0	1.8	.5	.6	.0	.0	.0	.0	1.0
1-2	.5	3.0	.2	.0	.0	.0	3.6	.2	2.5	.3	.0	.0	.0	3.0
3-4	.0	1.2	.4	.0	.0	.0	1.6	.0	1.4	.5	.0	.0	.0	1.9
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.1	.3	.0	.0	.0	.4
7	.0	.0	.2	.1	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.7	.9	.0	.0	.0	7.6	.6	4.6	1.2	.0	.0	.0	6.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	1.0	.0	.0	.0	1.7	.4	1.9	.0	.0	.0	.0	1.9
1-2	.4	3.1	1.0	.0	.0	.0	4.6	.3	2.7	.7	.0	.0	.0	3.7
3-4	.0	2.3	2.2	.1	.0	.0	4.7	.1	1.7	1.4	.1	.0	.0	3.8
5-6	.1	.5	1.1	.2	.0	.0	1.9	.0	.6	.9	.2	.1	.0	1.7
7	.0	.1	.6	.3	.0	.0	.9	.0	.2	.6	.2	.1	.0	1.1
8-9	.0	.0	.1	.0	.0	.0	.2	.0	.0	.2	.2	.0	.0	.4
10-11	.0	.0	.0	.1	.1	.0	.2	.0	.0	.2	.1	.0	.0	.2
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.2	.0	.3	.0	.0	.0	.1	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.0	5.1	.9	.4	.0	14.5	1.0	6.5	4.6	.8	.2	.0	13.0

PERIOD: (COVER-ALL) 1963-1979

JULY

AREA 0007 ACAPULCO SOUTH
15.7N 98.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.8	.0	.0	.0	1.2	.5	1.1	.0	.0	.0	.0	1.6
1-2	.0	2.0	.6	.0	.0	.0	2.9	.4	2.7	.3	.0	.0	.0	3.4
3-4	.0	.6	.2	.0	.0	.0	.8	.1	.6	.1	.0	.0	.0	.9
5-6	.0	.1	.2	.1	.0	.0	.4	.0	.3	.1	.0	.0	.0	.4
7	.0	.1	.5	.2	.0	.0	.8	.0	.1	.0	.0	.1	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.5	1.7	.3	.0	.0	6.2	1.0	4.8	.9	.0	.1	.0	6.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	3.0	.3	.0	.0	.0	4.1	.9	2.7	.0	.0	.0	.0	3.7	
1-2	.7	7.4	1.1	.0	.0	.0	9.3	.6	7.4	1.3	.0	.0	.0	9.5	
3-4	.1	2.7	1.0	.0	.0	.0	3.7	.0	2.2	1.7	.0	.0	.0	3.9	
5-6	.0	.7	.8	.1	.0	.0	1.6	.0	.2	.7	.0	.0	.0	.4	
7	.0	.3	.1	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	14.0	5.3	.1	.0	.0	19.1	1.5	12.9	5.3	.0	.0	.0	17.7	91.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.4	11.7	.3	.0	.0	.0	26.5	
1-2	.0	30.6	5.5	.0	.0	.0	40.1	
3-4	.0	12.3	7.9	.2	.0	.0	20.4	
5-6	.0	2.5	3.7	.5	.0	.0	7.0	
7	.0	.8	1.8	.4	.2	.0	3.5	
8-9	.0	.2	.4	.1	.1	.0	.9	
10-11	.0	.0	.2	.1	.0	.0	.4	
12	.0	.0	.1	.2	.0	.0	.1	
13-16	.0	.0	.1	.1	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.1	58.1	20.1	2.0	.7	.0	100.0	1794

PERIOD: (COVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	6.1	16.5	14.0	5.2	2.2	.7	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2765	3
1-2	.2	2.7	7.7	7.3	2.5	1.1	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1378	5
3-4	.1	.8	3.3	3.4	1.6	1.2	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	708	5
5-6	.0	.7	1.1	1.2	.9	.4	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	312	6
7-8	.0	.0	.8	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	126	6
9-10	.0	.0	.0	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	7
11-12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	753	2
TOTAL	802	1348	1750	1155	525	249	117	53	53	29	3	3	0	1	0	0	0	0	0	6088	4
PCT	13.2	22.1	28.7	19.0	8.6	4.1	1.9	.9	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1954-1976
(OVER-ALL) 1900-1976AREA CDD? ACAPLCC SCLTH
15.7h 98.9h

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&R	GRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPEAY BLNG DUST	NO SIG WEA		
N	2.8	1.5	.6	.0	.0	.0	.0	5.0	1.8	9.4	.1	.0	.6	.0	.0	83.8	
NE	3.5	1.7	1.0	.0	.0	.0	.0	5.9	4.2	10.5	.2	.0	.4	.0	.0	79.0	
E	7.5	3.8	1.8	.0	.0	.0	.1	13.2	5.5	6.7	.1	.0	.1	.1	.1	75.0	
SE	6.0	3.4	1.9	.0	.0	.0	.0	11.2	4.5	5.2	.2	.0	.1	.0	.0	79.3	
S	5.0	3.2	2.4	.0	.0	.0	.4	10.5	3.4	6.5	.4	.0	.0	.0	.0	79.6	
SW	5.4	1.9	1.9	.0	.0	.0	.0	9.1	2.7	6.0	.0	.0	.5	.0	.0	82.0	
W	2.9	1.4	1.0	.0	.0	.0	.0	5.3	1.8	7.1	.1	.0	.3	.0	.0	85.5	
NW	2.6	1.2	.0	.0	.0	.0	.0	4.5	1.9	6.8	.2	.0	.0	.0	.0	86.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	1.3	.3	.0	.0	.0	.1	2.2	1.3	5.8	.4	.0	.0	.0	.0	85.7	
TOT PCT	4.0	2.1	1.2	.0	.0	.0	.1	7.3	3.0	7.3	.2	.7	.4	.0	.0	82.2	
TOT OBS:	8097																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SH&R	GRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPEAY BLNG DUST	NO SIG WEA		
0000Z	1.9	1.3	.7	.0	.0	.0	.0	4.1	1.7	.8	.1	.0	.2	.0	.0	83.2	
0600Z	5.7	2.5	1.4	.0	.0	.0	.1	9.5	3.3	19.4	.1	.0	.4	.1	.1	67.8	
1200Z	6.3	3.1	1.9	.0	.0	.0	.2	11.2	4.0	10.3	.3	.0	.2	.0	.0	74.7	
1800Z	2.7	1.7	.7	.0	.0	.0	.0	5.1	2.9	.7	.2	.0	.6	.0	.0	80.4	
TOT PCT	4.1	2.1	1.2	.0	.0	.0	.1	7.3	3.0	7.4	.2	.0	.3	.0	.0	82.1	
TOT OBS:	8362																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-32	33-47						C0	C3	C6	C9	12	15	18	21
N	1.7	5.1	.8	.1	.0	.0		7.6	6.7		3.1	2.2	6.4	4.0	12.8	11.6	8.5	8.8
NE	1.2	5.0	.9	.0	.0	.0		7.2	7.0		3.1	4.7	6.4	6.8	11.6	9.9	7.3	8.3
E	1.4	7.3	4.2	.8	.1	.0		14.0	10.4		8.5	10.8	13.8	17.3	17.5	17.4	15.6	15.1
SE	1.4	6.7	3.7	.7	.1	.0		12.6	10.3		15.9	12.2	12.6	11.3	9.5	9.2	12.9	9.6
S	1.4	4.1	1.1	.1	.0	.0		6.8	7.5		10.7	9.5	6.0	7.7	4.2	3.3	6.3	7.3
SW	1.2	4.4	1.1	.1	.0	.0		6.9	7.3		12.4	8.1	6.8	6.7	3.1	5.6	4.9	10.5
W	2.4	12.8	3.6	.1	.0	.0		18.9	8.0		28.7	22.0	19.6	22.8	10.7	14.6	16.1	15.3
NW	2.1	11.0	2.8	.1	.0	.0		14.1	7.7		10.5	15.7	14.1	16.1	20.1	21.3	14.5	21.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0							10.0	.0		6.2	14.9	13.8	6.8	10.9	8.0	9.9	4.0
TOT OBS	1978	4858	1561	174	20	0	8591		7.5		1994	148	1871	146	1825	224	2206	177
TOT PCT	23.0	56.5	18.2	2.0	.2	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						C0	C3	C6	12	18
N	4.5	3.0	.2	.0	.0					7.4	6.7	3.0	6.3	12.7
NE	3.9	3.2	.1	.0	.0					7.2	7.0	3.2	6.9	11.3
E	4.8	6.9	1.9	.3	.0					14.0	10.4	8.6	14.1	17.5
SE	4.5	6.1	1.7	.3	.0					12.6	10.3	15.6	12.5	9.5
S	3.6	2.8	.3	.1	.0					6.8	7.5	10.6	6.1	4.1
SW	3.6	3.1	.2	.0	.0					6.9	7.3	12.1	6.0	3.3
W	8.6	9.6	.8	.1	.0					18.9	8.0	29.2	19.8	10.7
NW	7.4	8.2	.4	.0	.0					16.1	7.7	10.9	14.3	20.2
VAR	.0	.0	.0	.0	.0					.0	.0	.0	.0	.0
CALM	10.0									10.0	.0			
TOT OBS	4342	3679	439	69	2	8591			7.5			6.8	13.3	10.6
TOT PCT	50.8	42.8	5.6	.8	.0				100.0			21.2	20.1	23.0

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AUGUST

AREA CDDT ACAPILCC SCLTH
15.7N 98.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOLD (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	6.8	11.3	58.4	21.1	2.2	.2	.0	8.2	100.0	2142
0600	13.3	11.6	55.0	18.0	1.9	.1	.0	7.3	100.0	2017
1200	10.4	13.3	57.1	16.7	1.9	.4	.0	7.4	100.0	2049
1800	9.4	15.8	55.7	16.9	2.0	.2	.0	7.2	100.0	2383
TOT	855	1123	4858	1561	174	20	0	7.5		8591
PCT	10.0	13.1	56.5	18.2	2.0	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & L	TOTAL	MEAN
				OBS	OBS	CLOUD COVER
N	1.4	1.7	2.8	1.7		4.7
NE	1.2	1.5	2.9	1.5		5.1
E	1.2	2.2	6.4	4.2		5.9
SE	1.2	2.3	6.0	3.8		5.8
S	.8	1.2	3.1	1.7		5.6
SW	.9	1.6	3.1	1.3		5.2
W	3.6	5.2	7.4	2.5		6.7
NW	4.1	4.5	5.7	2.0		6.7
VAR	.0	.0	.0	.0		.0
CALM	2.8	3.0	3.2	1.0		4.1
TOT OBS	1155	1550	2679	1278	6862	5.0
TOT PCT	17.3	23.3	40.2	19.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/P) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION																
000 149	150 299	300 599	600 899	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	ANY	5/8 PCT	TOTAL OBS				
0	0	.1	.6	.9	.3	.2	0	0	0	0	5.6					
0	0	.1	.6	.7	.4	.2	0	0	0	0	4.9					
.7	.1	.5	1.4	2.1	.8	.3	0	0	0	0	6.8					
.2	.1	.3	1.6	.9	.8	.3	.1	.1	0	0	7.4					
0	0	.2	.6	1.0	.4	.2	.1	0	0	0	4.3					
0	0	.2	.5	.8	.3	.2	0	0	0	0	4.6					
.1	0	.2	1.2	1.6	.7	.2	.1	.1	.1	.1	10.5					
0	.1	.2	.9	1.4	.5	.2	0	0	0	0	12.6					
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
0	0	0	0	0	0	0	0	0	0	0	4.3					
44	26	122	541	745	294	114	27	21	18	4710	6662					
.7	.2	1.8	8.1	11.2	4.4	1.7	.4	.3	.2	76.7	100.0					

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/P) AND VISIB (NMP)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VISIB (NMP)				
				= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
= OR >6500	.5	.6	.6	.6	.6	.6	.6	.6
= OR >5000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	2.4	2.7	2.8	2.8	2.8	2.8	2.8	2.8
= OR >2000	6.1	6.9	7.1	7.2	7.2	7.2	7.2	7.2
= OR >1000	15.0	17.5	18.0	18.2	18.2	18.2	18.2	18.2
= OR >600	20.7	25.2	26.0	26.2	26.3	26.3	26.4	26.4
= OR >300	21.6	26.7	27.7	28.0	28.1	28.1	28.2	28.2
= OR >150	21.8	27.0	28.0	28.4	28.5	28.5	28.6	28.6
= OR >0	72.1	77.5	78.8	79.0	79.1	79.1	79.2	79.2
TOTAL	1514	1886	1960	1990	1996	2000	2005	2006

TOTAL NUMBER OF OBS: 6865

PCT FREQ NM <5/P: 70.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

C	1	2	3	4	5	6	7	8	9	10	TOTAL OBS
6.2	17.4	20.5	14.8	11.0	7.0	7.1	5.9	9.3	.3		7260

PERIOD: (PRIMARY) 1956-1974
(OVER-ALL) 1900-1974

AUGUST

AREA CODE ACAPLCC SOLIN
15.74 98.94

TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	0	0	.1	0	.0	0	0	.0	.0	.0	.2	
NO PCP	0	.0	0	0	.0	.0	0	0	.0	.0	.1	
TOT 1	0	0	.1	0	.0	0	0	0	.0	.0	.3	
PCP	.0	.0	.1	.0	0	0	0	.0	.0	.0	.1	
NO PCP	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	
TOT 1	.0	.0	.1	.0	0	0	0	.0	.0	.0	.1	
PCP	.0	0	.1	.1	0	0	0	0	.0	0	.4	
NO PCP	.0	0	.1	0	.0	0	0	0	.0	.0	.2	
TOT 1	.0	.1	.2	.1	0	0	0	0	.0	0	.6	
PCP	0	0	.2	.2	.1	.1	.1	.1	.0	0	.6	
NO PCP	0	0	.1	.1	.1	0	.1	0	.0	0	.5	
TOT 1	.1	.1	.3	.3	.2	.1	.2	.1	.0	0	1.1	
PCP	.1	.2	.7	.6	.3	.3	.4	.3	.0	0	2.9	
NO PCP	.4	.4	1.1	1.0	.5	.5	.6	.7	.0	.4	6.1	
TOT 1	.5	.7	1.8	1.6	.9	.7	1.2	1.1	.0	.4	9.0	
PCP	.2	.1	.7	.5	.3	.3	.4	.3	.0	.1	2.8	
NO PCP	6.9	6.1	10.9	10.2	5.4	5.8	17.1	14.6	.0	8.9	85.9	
TOT 1	7.1	6.2	11.6	10.6	5.6	6.0	17.6	14.9	.0	9.1	88.7	
TOT OBS												
TOT PCT	7.7	7.1	14.1	12.8	6.7	9	14.1	14.1	.0	9.6	100.0	

PCPN

TABLE B

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	0	.0	.0	0	.0	.0	0	0	.0	.0	.1	
	11-21	.0	0	.1	0	0	0	0	.0	.0	.0	.1	
	22+	0	.0	0	0	.0	0	0	.0	.0	.0	.1	
	TOT 1	0	0	.1	.1	0	0	.1	0	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	0	0	.0	.0	.0	0	.0	.0	.0	.1	
	22+	.0	.0	0	0	0	0	0	.0	.0	.0	.1	
	TOT 1	.0	.0	.1	0	0	0	0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	0	.0	.0	.0	.0	.0	0	0	
	4-10	0	0	.1	0	.0	0	0	0	.0	.0	.2	
	11-21	.0	0	.1	.1	0	0	0	0	.0	.0	.3	
	22+	.0	0	0	0	.0	.0	.0	.0	.0	.0	.1	
	TOT 1	0	.1	.2	.2	0	0	.1	0	.0	0	.6	
2<5	0-3	.0	.0	.0	0	0	0	0	0	.0	.1	.1	
	4-10	.1	0	.2	.1	.1	0	.1	.1	.0	.0	.7	
	11-21	0	0	.2	.2	.1	.1	.1	0	.0	.0	.3	
	22+	.0	0	.1	.1	0	0	0	0	.0	.0	.3	
	TOT 1	.1	.1	.4	.4	.2	.1	.2	.1	.0	.1	1.7	
5<10	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.0	.4	1.2	
	4-10	.4	.4	.7	.6	.5	.4	.7	.6	.0	.4	6.4	
	11-21	.1	.2	.4	.6	.2	.3	.2	.0	.0	.0	2.6	
	22+	0	0	.3	.2	.1	0	.1	.1	.0	.0	.7	
	TOT 1	.5	.7	1.4	1.6	.9	.7	1.2	1.0	.0	.4	9.0	
10+	0-3	1.6	1.1	1.4	1.3	1.4	1.0	2.3	2.0	.0	9.3	21.4	
	4-10	4.9	4.4	6.5	5.9	3.5	4.1	12.0	10.1	.0	11.2	51.2	
	11-21	.7	.6	3.1	2.9	.4	.4	3.1	2.6	.0	14.7	14.7	
	22+	0	0	.4	.4	0	0	0	0	.0	1.0	1.0	
	TOT 1	7.0	6.2	11.4	10.5	5.7	6.0	17.4	14.8	.0	9.2	88.3	
TOT OBS													8348
TOT PCT													7.6 7.1 14.1 12.7 6.8 6.5 19.0 16.0 .0 9.8 100.0

PERIOD: (PRIMARY) 1954-1976
(OVER-ALL) 1900-1976

AUGUST

AREA 0007 ACAPLCC SOLT
15.7% 98.4%

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND OCCURRENCE OF "H" <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	AM <5/8 ANY HGT	TOTAL OBS
0000	.4	.3	1.0	6.6	8.5	3.8	1.4	.5	.3	.2	22.6	77.1	1077				
0600	.7	.1	2.5	9.4	12.3	6.5	2.1	.3	.3	.2	32.6	67.4	1612				
1200	.9	.6	2.3	10.5	12.4	6.9	1.3	.5	.2	.5	34.4	65.6	1657				
1800	.5	.3	1.5	5.6	6.9	3.5	2.0	.7	.4	.2	24.4	75.6	1976				
TOT	.5	.26	1.26	5.59	7.59	3.03	1.41	.24	.22	.27	20.06	51.13	7122				
PCT	.6	.4	1.8	7.8	10.7	6.2	1.7	.4	.3	.3	26.2	71.4	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.1	.3	.8	5.4	92.8	2155
0600	.3	.2	.6	2.2	11.6	85.2	2043
1200	.3	.1	.9	2.6	12.5	83.5	2029
1800	.4	.2	.5	1.4	6.7	90.8	2360
TOT	.26	.14	.50	1.48	7.76	76.03	8617
PCT	.3	.2	.6	1.7	9.0	88.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET) BY HOUR

HOUR (GMT)	<150	<100	<50	<25	<15	AM <5/8 ANY HGT	TOTAL OBS
0000	.4	1.4	8.4	14.4	76.2	1404	
0600	.4	1.4	14.5	19.4	65.6	1537	
1200	.4	4.2	16.5	19.2	64.2	1605	
1800	.5	2.1	8.4	14.4	74.8	1914	
TOT	.5	2.0	8.7	12.5	64.5	6865	
PCT	.7	3.0	11.4	17.5	70.8	100.0	

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	11	.2
90/94	.0	.0	.0	.3	2.0	1.1	.3	.1	254	3.8
85/89	.0	.0	.0	.3	6.5	15.2	5.3	.6	2188	32.1
80/84	.0	.0	.0	.1	2.3	22.5	25.4	3.8	3685	54.4
75/79	.0	.0	.0	.0	.0	.7	3.4	6.4	610	9.0
70/74	.0	.0	.0	.0	.0	.0	.0	.0	26	.4
TOTAL	.0	.0	.5	4.5	23.4	26.6	23.0	6.3	6754	100.0
PCT	.0	.0	.1	.7	10.4	42.6	35.4	9.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	WIND CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.1	.0
90/94	.0	.2	.3	.4	.2	.0	.0	.1	.0
85/89	2.0	1.8	2.7	3.3	1.9	2.6	8.5	6.0	2.2
80/84	4.5	4.4	8.7	7.2	3.6	3.2	6.7	6.1	0.0
75/79	.7	.7	2.4	1.6	.8	.5	1.1	.6	.3
70/74	.0	.0	.0	.1	.0	.0	.1	.1	.0
TOT	7.7	7.2	14.1	12.6	6.6	4.6	19.3	15.4	10.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	67	62	60	65	60	57	52	64.8	2197
0600	95	88	86	83	78	75	71	82.5	2079
1200	95	87	85	82	77	74	71	81.5	2084
1800	98	93	90	85	79	75	69	85.0	2632
TOT	96	91	89	84	78	75	65	83.5	8794

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	.0	15.2	52.4	25.7	1.0	.7	.7	76	1798
0600	.0	.2	3.4	39.5	44.2	11.5	.1	.1	1457	
1200	.0	.3	2.7	33.1	46.5	14.5	.2	.2	1652	
1800	.0	1.7	21.0	49.1	21.4	4.1	.7	.7	1854	
TOT	.0	.2	5.2	30.7	35.2	24.5	4.5	.7	6484	

AUGUST

PERIOD: (PRIMARY) 1956-1976
(OVER-ALL) 1956-1979AREA 0007 ACAPULCO SOUTH
15.7N 96.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (INSTANT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NC FOG
14/16	.0	.0	.0	.0	.0	.0	.0	2	3	.0
11/13	.0	.0	.0	.0	.0	.1	.1	8	.0	.1
9/10	.0	.0	.0	.0	.1	.1	.1	23	.0	.3
7/8	.0	.0	.0	.1	.2	.5	.2	67	.0	.9
6	.0	.0	.0	.1	.2	.5	.0	10	.0	.8
5	.0	.0	.0	.1	.4	.8	.1	150	.0	1.4
4	.0	.0	.0	.4	.9	1.0	.1	101	.0	2.4
3	.0	.0	.1	.7	1.7	.9	.0	210	.0	2.9
2	.0	.0	.1	1.2	3.7	.9	.0	441	.0	5.9
1	.0	.0	.1	1.4	4.5	.5	.0	484	.0	6.4
0	.0	.0	.2	5.1	6.7	.2	.0	921	.0	12.2
-1	.0	.0	.1	6.2	5.3	.1	.0	895	.0	11.7
-2	.0	.0	.1	11.1	3.0	.1	.0	1110	.0	14.9
-3	.0	.0	.1	7.9	1.5	.0	.0	751	.0	10.5
-4	.0	.0	.1	7.6	.7	.0	.0	740	.0	9.9
-5	.0	.0	.1	2.2	.3	.1	.0	525	.0	6.9
-6	.0	.0	.1	2.3	.1	.1	.0	342	.0	4.5
-7/-8	.0	.0	.1	3.1	1.7	.1	.0	376	.0	5.0
-9/-10	.0	.0	.1	1.2	.4	.1	.0	162	.0	2.1
-11/-13	.0	.0	.1	.1	.0	.0	.0	59	.0	.8
-14/-16	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	6	966	3724	423	7523	100.0	.2	99.0		
PCT	.1	1.9	12.8	47.6	26.5	5.6	.5			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.7	.1	.0	.0	.0	1.3	<1	.2	1.2	.1	.0	.0	.0	1.4
1-2	.5	2.5	.2	.0	.0	.0	3.2	1-2	.5	3.0	.8	.0	.0	.0	4.3
3-4	.1	.6	.3	.0	.0	.0	1.1	3-4	.1	1.1	.4	.0	.0	.0	1.6
5-6	.0	.0	.1	.0	.0	.0	.1	5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.1	7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	3.9	.9	.0	.0	.0	6.0	TOT PCT	.7	5.3	1.4	.1	.0	.0	7.5

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.4	.0	.0	.0	.0	1.9	<1	.3	1.4	.0	.0	.0	.0	1.7
1-2	.5	4.1	1.4	.0	.0	.0	6.0	1-2	.6	4.0	1.2	.0	.0	.0	5.8
3-4	.0	2.6	2.1	.1	.0	.0	4.8	3-4	.1	2.4	1.9	.1	.0	.0	4.6
5-6	.0	.0	1.9	.2	.0	.0	2.5	5-6	.0	.5	1.5	.2	.0	.0	2.3
7	.0	.0	.4	.0	.0	.0	1.0	7	.0	.1	.2	.2	.0	.0	.3
8-9	.0	.0	.1	.3	.0	.0	.4	8-9	.0	.0	.3	.2	.0	.0	.3
10-11	.0	.0	.0	.2	.0	.0	.2	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	8.4	5.2	1.4	.0	.0	17.1	TOT PCT	1.0	8.4	5.1	.8	.0	.0	15.2

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA CODE ACAPULCO SOUTH
15.74 98.94

TABLE 18 (CONT)

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.1	.1	.0	.0	.0	1.7	.3	.5	.0	.0	.0	.0	.8
1-2	.3	2.2	.3	.0	.0	.0	2.9	.3	2.3	.3	.0	.0	.0	2.9
3-4	.2	.9	.4	.0	.0	.0	1.5	.1	1.0	.4	.0	.0	.0	1.6
5-6	.1	.3	.1	.0	.0	.0	.5	.0	.3	.2	.1	.0	.0	.6
7	.0	.1	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	4.7	1.0	.1	.0	.0	6.9	.7	4.2	.9	.1	.0	.0	5.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	2.8	.1	.0	.0	.0	3.7	.7	1.5	.2	.0	.0	.0	2.4	
1-2	.9	6.5	1.4	.0	.0	.0	8.7	1.0	5.7	.9	.0	.0	.0	7.5	
3-4	.2	2.4	1.5	.1	.0	.0	4.2	.0	1.9	1.2	.0	.0	.0	3.1	
5-6	.0	.3	.7	.0	.0	.0	1.0	.1	.2	.3	.1	.0	.0	.6	
7	.0	.1	.4	.3	.1	.0	.9	.0	.0	.1	.1	.0	.0	.3	
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1	
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	12.1	4.4	.5	.1	.0	18.9	1.8	9.3	2.7	.2	.0	.0	14.1	91.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT
<1	12.9	10.6	.5	.0	.0	.0	24.0
1-2	5.0	29.8	8.1	.0	.0	.0	40.9
3-4	.9	12.7	8.1	.3	.0	.0	22.2
5-6	.3	2.0	4.9	.6	.0	.0	7.8
7	.0	.4	1.6	1.0	.1	.0	3.0
8-9	.0	.0	.6	.7	.0	.0	1.3
10-11	.0	.0	.2	.3	.1	.0	.5
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	19.1	55.6	22.1	3.0	.2	.0	100.0

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SEC)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.8	16.9	14.1	5.6	1.4	.8	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2740
6-7	.2	2.5	7.7	4.8	2.8	1.6	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1382
8-9	.0	.9	3.0	3.2	2.0	.8	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	854
10-11	.0	.8	1.2	1.3	.9	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	301
12-13	.0	.0	.7	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	106
15	.0	.0	.0	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87
INDET	7.1	1.4	2.1	1.5	.8	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	812
TOTAL	802	1362	1745	1171	524	244	131	38	27	12	1	2	1	2	0	0	0	0	0	0	6062
PCT	13.2	22.5	26.8	19.3	8.6	4.0	2.2	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

SEPTEMBER

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	PAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	5.8	1.3	2.1	.0	.0	.0	.0	8.9	2.6	8.4	.2	.0	.5	.0	79.7
NE	8.1	3.0	3.0	.0	.0	.0	.0	13.7	6.3	7.2	.0	.0	.1	.0	73.4
E	10.1	4.1	2.9	.0	.0	.0	.1	16.7	7.3	6.1	.0	.0	.3	.2	70.0
SE	7.2	4.3	2.1	.0	.0	.0	.0	13.6	6.3	5.2	.2	.0	.0	.0	75.0
S	7.2	3.3	1.7	.0	.0	.0	.1	12.3	7.0	4.2	.2	.0	.3	.0	76.6
SW	11.5	6.1	2.5	.0	.0	.0	.0	20.0	7.2	4.7	.0	.0	.1	.0	68.4
W	5.6	2.7	2.0	.0	.0	.0	.1	10.4	5.3	4.4	.1	.0	.4	.1	79.7
NW	4.3	1.8	1.8	.0	.0	.0	.1	7.6	3.1	6.6	.3	.0	.4	.0	82.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3	1.9	1.9	.0	.0	.0	.1	5.3	1.4	6.9	.1	.1	1.2	.0	85.1
TOT PCT	6.6	3.2	2.2	.0	.0	.0	.1	11.9	5.2	5.7	.1	.0	.3	.0	77.1
TOT OBS:	7967														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	PAIN SHWF	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	5.0	2.4	1.1	.0	.0	.0	.1	8.5	3.8	1.4	.1	.0	.4	.0	86.2
06099	7.9	3.3	2.8	.0	.0	.0	.2	14.5	6.1	14.2	.2	.0	.2	.2	65.6
12015	6.4	4.3	3.1	.0	.0	.0	.1	15.7	6.4	8.0	.2	.1	.4	.0	69.9
18021	5.3	2.4	1.7	.0	.0	.0	.0	9.2	4.7	.4	.1	.0	.3	.0	85.3
TOT PCT	6.6	3.2	2.1	.0	.0	.0	.1	11.9	5.2	5.8	.1	.0	.3	.0	77.1
TOT OBS:	8205														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.2	3.7	.7	.1	0	0.0	5.7	7.1	2.0	1.0	5.3	7.0	10.1	6.0	5.7	7.6	
NE	1.0	3.9	1.0	.1	0	0	6.0	7.9	2.3	6.2	5.1	6.8	10.3	7.4	6.3	5.3	
E	1.2	6.8	3.7	1.0	.2	0	12.9	11.0	8.0	7.1	12.7	5.1	15.5	16.2	15.7	12.4	
SE	1.2	6.4	3.8	.7	.1	0	12.2	10.5	13.4	12.1	13.6	13.9	8.7	9.5	12.9	14.6	
S	1.3	4.5	1.4	.3	0	0	7.5	6.5	11.9	8.4	7.6	9.2	4.4	4.8	6.5	8.5	
SW	1.0	5.2	2.3	.3	.1	0	8.9	9.4	13.8	17.4	8.4	13.3	5.4	6.7	7.5	10.7	
W	2.5	13.7	6.0	.9	.1	0	23.2	9.5	31.8	29.1	22.3	23.2	18.1	23.6	20.3	21.5	
NW	1.7	9.6	3.3	.2	0	0	14.7	8.4	10.7	13.1	13.6	15.8	18.0	21.5	15.7	16.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.9						8.9	.0	6.2	7.6	11.5	5.7	9.5	4.2	9.4	5.3	
TOT OBS	1686	4571	1887	298	41	7	8490	8.5	1917	145	1864	122	1850	236	2186	170	
TOT PCT	19.9	53.8	22.2	3.5	.5	.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12	15	18	21
N	3.1	2.5	.2	.0	•	5.7	7.1	1.9	5.4	9.6	5.8					
NE	3.1	2.5	.3	.1	•	6.0	7.9	2.6	5.2	10.0	6.3					
E	4.2	6.4	1.8	.4	•	12.9	11.0	7.9	12.2	15.4	15.5					
SE	4.1	6.2	1.5	.3	•	12.2	10.5	13.3	13.6	8.8	13.0					
S	3.6	3.3	.5	.1	•	7.5	6.5	11.5	7.7	4.4	6.5					
SW	3.5	4.3	.9	.2	•	8.9	9.6	14.1	8.7	5.5	7.7					
W	8.7	11.9	2.2	.2	•	23.2	9.5	31.6	22.3	18.7	20.4					
NW	6.1	7.7	.8	.0	•	14.7	8.4	10.8	13.7	18.4	15.7					
VAR	.0	.0	.0	.0	•	.0	.0	.0	.0	.0	.0					
CALM	8.9					8.9	.0	6.3	11.2	4.9	9.1					
TOT OBS	3851	3810	699	112	18	8490	8.5	2042	1986	2086	2356					
TOT PCT	45.4	44.9	8.2	1.3	.2	100.0		100.0	100.0	100.0	100.0					

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15.74 98.96

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					45+	PEAK	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
00003	6.3	9.6	56.0	24.1	3.5	.5	*	9.0	100.0	2062
06009	11.2	9.2	53.3	22.9	2.9	.4	*	8.5	100.0	1981
12015	8.9	11.6	55.7	19.7	3.9	.2	*	8.1	100.0	2086
18021	9.1	13.3	50.8	22.3	3.3	.1	*	8.4	100.0	2045
TOT	752	93*	457.1	1887	298	41	7	9.5		
PCT	8.9	11.0	53.8	22.2	3.5	.5	*1	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) IN 5-FT. INCHES
AND OCCURRENCE OF INCHES 5/8 BY WIND DIRECTION

BY WIND DIRECTION						BY WIND DIRECTION													
WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	PERCENT OCCURRENCE OF AMOUNT OF WIND DIRECTION												
							000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY	5/PA MGT	TOTAL OBS	
A	.7	1.3	2.4	1.8	5.3	.1	0	.1	.6	.7	.2	.1	0	.1	0	3.7			
NE	.7	1.2	2.3	1.8	5.6	.1	0	.2	.7	.3	.2	0	0	.1	.1	3.5			
E	1.1	1.9	3.2	2.5	5.5	1.0	2.4	.6	.2	.7	.1	.1	.1	.1	.1	6.4			
SE	1.2	2.2	4.4	3.9	5.8	.2	.1	5	1.5	1.9	.7	.3	.1	0	0	6.6			
S	.9	1.3	3.0	2.6	5.7	.1	.1	.2	.9	1.2	.5	.1	.1	0	0	4.6			
SW	.8	1.0	3.4	3.6	6.1	.2	0	.4	1.6	1.5	.6	.2	0	0	0	4.1			
W	3.0	4.9	9.1	6.3	5.5	.3	.2	5	2.8	3.3	1.1	.3	.1	.1	0	14.6			
NW	2.3	3.3	5.8	3.1	5.1	.1	0	.3	1.1	1.7	.7	.3	0	0	0	10.3			
VAR	0	.0	0	0	0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0			
CALM	2.0	2.4	3.2	1.2	4.5	0	0	.1	.5	.9	.7	.0	.0	.0	.0	6.9			
TOT OBS	827	1247	2517	1809	6400	5.5	99	49	190	738	927	323	121	32	23	3490			
TOT PCT	12.9	19.5	39.3	28.3	100.0		1.5	.8	3.0	11.5	14.5	5.0	1.9	.5	.4	54.9			

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (INCH 24/0) AND VSBY (FPM)

CEILING (FEET)	V (NW)							
	± OR 10	± OR 15	± OR 22	± OR 31	± OR 31/2	± OR 31/4	± OR 350YD	± OR 30
± OR 36500	.5	.5	.5	.5	.5	.5	.5	.5
± OR 35000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
± OR 33500	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
± OR 32000	6.7	7.9	8.0	8.0	8.0	8.0	8.0	8.0
± OR 31000	17.7	21.5	22.0	22.2	22.3	22.3	22.3	22.4
± OR 30000	25.1	31.9	33.2	33.5	33.6	33.7	33.7	33.8
± OR 3300	26.3	34.2	35.9	36.4	36.6	36.6	36.7	36.8
± OR 3150	26.5	34.7	36.6	37.1	37.3	37.4	37.5	37.6
± OR 0	26.5	35.4	37.4	38.4	38.7	38.8	38.9	39.0
TOTAL	1770	2338	2442	2527	2547	2553	2562	2565

PCT FREQ NH <S/P: 61.0

PERCENTAGE FREQ OF LGW CLOUDS (EIGHTHS)

[illegible]

SEPTEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1982-1979AREA 0007 ACAPULCO SOLTH
15.7N 98.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSEY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	*	.1	*	*	*	.1	*	.0	.0	.4	
	NO PCP	.0	*	*	*	*	.0	*	.0	.0	.0	.1	
	TOT %	.0	*	.1	.1	*	*	.1	*	.0	.0	.4	
1/2<1	PCP	*	*	.1	.1	*	*	.1	*	.0	.0	.3	
	NO PCP	.0	*	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	*	*	.1	.1	*	*	.1	*	.0	.0	.3	
1<2	PCP	*	*	.2	*	*	.1	.1	.1	.0	.0	.7	
	NO PCP	*	*	*	*	*	*	*	*	.0	.0	.1	
	TOT %	*	.1	.3	.1	.1	.1	.1	.1	.0	.0	.8	
2<5	PCP	*	.2	.3	.3	.2	.4	.3	.1	.0	.1	2.0	
	NO PCP	*	.1	.2	.2	*	.1	.2	.1	.0	*	1.0	
	TOT %	.1	.2	.5	.5	.3	.5	.5	.2	.0	.1	3.0	
5<10	PCP	.2	.2	.7	.6	.3	.6	.6	.4	.0	.1	4.1	
	NO PCP	.4	.6	1.4	1.1	.9	1.1	1.6	.8	.0	.4	8.2	
	TOT %	.6	.8	2.1	1.7	1.2	1.7	2.4	1.2	.0	.5	12.3	
10+	PCP	.2	.3	.8	.6	.3	.5	.9	.5	.0	.3	4.4	
	NO PCP	4.7	4.5	9.3	9.2	5.8	6.0	19.0	12.6	.0	7.7	78.7	
	TOT %	5.0	4.8	10.0	9.8	6.1	6.5	19.9	13.1	.0	8.0	83.1	
TOT OBS													7928
TOT PCT		5.7	6.1	13.0	12.2	7.6	9.0	23.1	14.6	.0	8.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSEY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	4-10	.0	.0	*	*	*	*	*	*	.0		.1	
	11-21	.0	*	*	*	.0	*	*	*	.0		.1	
	22+	.0	*	.1	*	*	*	*	*	.0		.2	
	TOT %	.0	*	.1	.1	.1	.1	*	*	.0	.0	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	*	*	.0	*	*	*	.0		.1	
	11-21	.0	*	*	*	*	.0	*	*	.0		.1	
	22+	*	*	*	*	.0	*	.1	*	.0		.1	
	TOT %	*	*	.1	*	*	*	.1	*	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	*	*	*	.0	*	*	
	4-10	*	*	.1	*	*	*	.1	*	.0		.3	
	11-21	*	*	.1	*	*	*	*	*	.0		.3	
	22+	*	*	.1	*	*	*	*	*	.0		.2	
	TOT %	*	.1	.2	.1	.1	.2	.1	.1	.0	*	.9	
2<5	0-3	*	.0	*	*	*	*	*	*	.0	.1	.2	
	4-10	.1	.2	.1	.2	.1	.2	.2	.2	.0		1.3	
	11-21	*	.1	.3	*	.1	.2	.3	.1	.0		1.4	
	22+	*	*	*	*	*	.1	.1	*	.0		.5	
	TOT %	.1	.3	*	.6	.3	.5	.6	.3	.0	.1	3.3	
4-10	0-3	.1	*	.1	*	.1	.1	.2	.1	.0	.5	1.4	
	4-10	*	.5	*	.7	.6	.8	1.0	.7	.0		5.5	
	11-21	.2	.2	*	.6	.3	.6	.9	.4	.0		4.2	
	22+	*	.1	*	.2	.1	.2	.3	*	.0		1.2	
	TOT %	.6	.9	2.1	1.7	1.2	1.7	2.3	1.3	.0	.5	12.3	
10+	0-3	1.1	.4	1.1	1.0	1.1	.9	2.3	1.5	.0	8.0	17.9	
	4-10	3.4	3.2	5.9	5.5	3.8	4.1	12.3	8.6	.0		46.7	
	11-21	.5	.7	2.5	2.8	.9	1.3	4.7	2.7	.0		16.1	
	22+	*	*	.5	.4	.1	.1	.5	.1	.0		1.8	
	TOT %	4.9	4.7	10.0	9.7	5.9	6.5	19.8	12.9	.0	8.0	82.5	
TOT OBS													8274
TOT PCT		5.6	6.1	13.1	12.2	7.6	9.0	23.1	14.7	.0	8.7	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	1.0	.6	2.1	9.2	11.9	5.0	1.6	.6	.4	.1	32.5	67.5	1761
06009	2.4	.9	3.3	11.3	16.0	5.2	2.0	.4	.3	.3	42.0	58.0	1527
12015	1.7	.9	3.7	13.8	15.2	5.2	1.9	.4	.2	.1	43.2	56.8	1642
18021	.9	.6	2.5	10.3	12.8	4.5	1.7	.5	.5	.2	34.5	65.5	1901
TOT	99	50	196	756	948	339	123	32	24	12	2579	4252	6831
PCT	1.4	.7	2.9	11.1	13.9	5.0	1.8	.5	.4	.2	37.8	62.2	100.0

TABLE 11

PERCENT FREQUENCY VS8Y (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.6	.2	.7	2.4	9.1	87.0	2043
06009	.6	.4	.9	4.3	15.0	78.8	2021
12015	.5	.4	1.6	3.8	15.4	78.3	2092
18021	.4	.5	.5	2.8	9.8	86.1	2357
TOT	43	31	77	284	1041	7037	8513
PCT	.5	.4	.9	3.3	12.2	82.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS8Y (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ ANGS+	NM <5/8 ANG 5+	TOTAL OBS
00003	1.1	4.2	14.3	19.3	66.4	1703
06009	2.5	7.1	19.9	24.1	56.0	1460
12015	1.7	6.7	22.5	23.7	54.6	1501
18021	1.0	4.6	15.6	20.2	64.3	1838
TOT	101	365	1175	1415	3992	6582
PCT	1.5	5.5	17.9	21.5	60.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	7	.1
90/94	.0	.0	.0	.2	1.4	.7	.2	.0	165	2.5
85/89	.0	.0	.0	.1	4.0	12.8	3.8	.7	1422	21.5
80/84	.0	.0	.0	.1	2.1	23.5	28.8	5.1	3933	59.6
75/79	.0	.0	.0	.0	.1	.7	6.0	8.8	1032	15.6
70/74	.0	.0	.0	.0	.0	.0	.0	.6	40	.6
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	2	30	506	2490	2565	1007	6600	100.0
PCT	.0	.0	.0	.5	7.7	37.7	38.9	15.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.2	.1	.3	.2	.1	.1	.9	.4	.0	.3
1.0	1.0	2.2	2.7	1.7	1.6	5.8	3.4	.0	2.2
3.7	3.7	7.6	7.2	4.4	4.6	13.7	8.9	.0	5.7
.8	1.3	2.8	2.0	1.4	2.1	3.1	1.6	.0	.7
.0	.1	.1	.1	.1	.1	.2	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.7	6.1	12.9	12.2	7.6	8.6	23.7	14.3	.0	8.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	91	88	84	78	75	68	83.4	2089
06009	93	87	85	82	77	75	73	81.6	2051
12015	90	86	84	81	76	74	67	80.7	2131
18021	96	92	90	84	77	75	68	84.0	2398
TOT	96	91	88	82	77	75	67	82.5	8669

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.6	8.9	47.0	33.4	10.1	79	1692
06009	.0	.1	3.5	31.9	47.2	17.3	82	1652
12015	.0	.1	2.1	26.2	49.0	22.7	84	1660
18021	.0	1.1	15.3	45.6	27.1	10.9	78	1815
TOT	0	32	521	2586	2649	1031	81	6819

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (C/F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.	.0	1	.0	*
11/13	.0	.0	.0	.0	.	.	.	.	6	.0	.1
9/10	.0	.0	.0	.0	.	.1	.1	.1	22	.0	.3
7/8	.0	.0	.0	.	.1	.2	.5	.1	73	.0	1.0
6	.0	.0	.0	.	.1	.1	.3	.	36	.0	.5
5	.0	.0	.0	.	.1	.5	.5	.	85	.0	1.2
4	.0	.0	.	.1	.4	1.0	.7	.0	161	.	2.2
3	.0	.0	.	.0	.3	1.2	.5	.	149	.0	2.0
2	.0	.0	.	.	1.5	2.6	.5	.0	369	.	5.0
1	.0	.0	.	.	1.9	3.1	.1	.0	389	.	5.3
0	.0	.0	.	.3	5.0	4.0	.1	.0	768	.0	10.4
-1	.0	.0	.	.4	6.4	3.2	.	.0	765	.	10.4
-2	.0	.0	.	1.1	11.1	2.0	.0	.0	1049	.	14.2
-3	.0	.0	.	1.9	8.0	1.0	.	.0	802	.	10.9
-4	.0	.0	.	2	3.3	4.2	.3	.0	886	.	12.0
-5	.0	.0	.	3	3.4	4.0	.2	.0	583	.	7.9
-6	.0	.0	.	2	3.6	2.0	.	.0	431	.0	5.8
-7/-8	.0	.0	.	1.0	4.5	1.3	.0	.0	503	.	6.8
-9/-10	.0	*	.	1.2	1.5	.1	.	.0	210	.0	2.8
-11/-13	.0	*	.	.5	.4	.	.0	.0	68	.0	.9
-14/-16	.	.	.	.1	.	.0	.0	.0	11	.0	.1
-17/-19	.	.	.	.0	.0	.0	.0	.0	1	.0	.
-20/-22	.	.	.	.0	.0	.0	.0	.0	2	.0	.
TOTAL	3	5	266	1536	1451	257	20	7370	11	7359	
PCT	.	.1	3.6	20.8	52.0	19.7	3.4	.3	100.0	.1	96.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N								NE							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	.9	.0	.0	.0	.0	1.4	.6	.9	.0	.1	.0	.0	1.4	
1-2	.1	1.6	.3	.0	.0	.0	2.2	.1	2.1	.2	.0	.0	.0	2.4	
3-4	.0	.9	.3	.0	.0	.0	1.1	.1	.8	.2	.1	.0	.0	1.2	
5-6	.0	.2	.1	.0	.0	.0	.3	*	.1	.4	.3	.0	.0	.5	
7	.0	*	.0	*	.0	.0	.1	.0	*	.0	.1	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	*	.0	*	.0	.0	.0	.0	*	.0	*	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	3.6	.6	.1	.0	.0	5.1	.7	3.8	.8	.3	.0	.0	5.6	

E								SE							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	1.1	*	.0	.0	.0	1.6	.3	1.1	*	.0	.0	.0	1.5	
1-2	.4	2.6	.9	.0	.0	.0	3.9	.6	3.3	.7	.0	.0	.0	4.6	
3-4	.1	1.4	1.1	.0	.0	.0	2.6	.1	1.5	1.4	.1	.0	.0	3.0	
5-6	*	.3	.9	.2	.1	.0	1.6	.0	.9	1.3	.4	.0	.0	2.6	
7	.0	.2	.2	.3	.0	.0	.7	.0	*	.5	.2	.0	.0	.7	
8-9	.0	.0	.3	.1	.0	.0	.4	.0	.1	*	.0	.1	.0	.1	
10-11	.0	.0	.1	.2	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	5.7	2.5	.9	.1	.0	11.1	.9	6.9	4.0	.7	.1	.0	12.6	

PERIOD: (COVER-ALL) 1963-1970

SEPTEMBER

AREA DMC7 ACAPULCO SOUTH
15.74 98.96

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.9	.0	.0	.0	.0	1.5	.2	1.2	.1	.0	.0	.0	1.5
1-2	.8	2.1	.2	.0	.0	.0	3.1	.5	2.9	.4	.1	.0	.0	3.9
3-4	.1	1.4	.6	.1	.0	.0	2.1	.0	.8	1.1	.1	.0	.0	2.0
5-6	.1	.1	.3	.0	.0	.0	.5	.0	.5	.9	.1	.0	.0	1.5
7	.0	.1	.1	.0	.0	.0	.3	.0	.1	.2	.1	.0	.0	.4
8-9	.0	.0	.2	.0	.0	.0	.3	.0	.1	.1	.1	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	4.7	1.3	.2	.0	.0	7.7	.8	5.6	2.4	.4	.0	.0	9.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	2.9	.1	.0	.0	.0	3.9	.3	2.0	.1	.0	.0	.1	2.4	
1-2	1.0	7.3	1.7	.0	.0	.0	10.0	.3	4.2	1.1	.0	.0	.0	5.6	
3-4	.1	3.5	2.6	.1	.0	.0	6.3	.1	2.2	1.7	.0	.0	.0	3.9	
5-6	.1	.0	2.7	.3	.0	.0	3.6	.0	.4	.6	.1	.0	.0	1.1	
7	.0	.5	1.0	.0	.0	.0	1.9	.0	.4	.9	.0	.0	.0	.4	
8-9	.0	.0	.2	.2	.0	.0	.4	.0	.0	.0	.1	.0	.0	.1	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	14.8	6.3	1.1	.1	.0	26.3	.6	8.7	4.0	.2	.0	.1	13.6	61.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.0	10.9	.3	.1	.0	.1	24.3	
1-2	4.2	26.1	5.4	.1	.0	.0	35.8	
3-4	.4	12.3	6.6	.4	.0	.0	21.7	
5-6	.2	3.0	6.9	1.1	.1	.0	11.2	
7	.0	1.1	2.2	1.2	.0	.0	4.5	
8-9	.0	.2	.7	.4	.1	.0	1.5	
10-11	.0	.0	.3	.3	.0	.0	.7	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.1	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.8	53.7	24.5	5.7	.2	.1	100.0	1761

PERIOD: (COVER-ALL) 1966-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	13.8	14.9	6.1	2.4	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.6	2
6-7	.1	2.1	8.6	7.7	3.6	1.8	.9	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.9	5
8-9	.0	.7	3.2	3.7	2.3	1.3	.8	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.56	6
10-11	.0	.5	.8	1.4	1.0	.6	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.66	1
12-13	.0	.0	.6	.6	.3	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.32	1
>13	.0	.0	.0	.4	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.54	0
INDEX	5.1	1.2	2.0	1.1	.5	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.16	2
TOTAL	588	1045	1784	1244	605	266	171	42	72	13	8	2	1	1	0	0	0	0	0	5912	4
PCT	9.9	18.4	30.2	21.0	10.2	5.0	2.9	.7	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT GP TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPRAY BLNG DUST	NO SIG	NO SIG	NO SIG
N	1.7	.9	1.8	.0	.0	.0	.2	4.4	1.9	4.2	.0	.0	.0	.0	.0	.0	.0
NE	5.9	2.3	1.1	.0	.0	.0	.0	9.3	3.9	6.0	.0	.0	.0	.0	.0	.0	.0
E	6.2	2.7	3.0	.0	.0	.0	.0	11.3	4.9	4.1	.1	.0	.0	.0	.0	.0	.0
SE	7.9	2.6	2.9	.0	.0	.0	.0	13.2	6.0	4.6	.1	.0	.0	.0	.0	.0	.0
S	4.1	2.7	1.8	.0	.0	.0	.0	8.4	4.2	3.9	.0	.0	.0	.0	.0	.0	.0
SW	4.8	1.8	1.5	.0	.0	.0	.0	6.5	3.7	4.2	.0	.0	.0	.0	.0	.0	.0
W	2.8	1.1	.8	.0	.0	.0	.0	4.7	2.3	3.7	.2	.0	.0	.0	.0	.0	.0
NW	1.7	1.5	1.0	.0	.0	.0	.0	4.1	1.4	3.7	.3	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.6	.1	.0	.0	.0	.0	1.2	1.3	4.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.7	1.6	1.4	.0	.0	.0	.	6.6	2.9	4.3	.1	.0	.0	.0	.	.	.
TOT OBS:	7896																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT GP TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPRAY BLNG DUST	NO SIG	NO SIG	NO SIG
0000	2.6	.8	.7	.0	.0	.0	.0	4.1	1.8	1.4	.2	.0	.0	.0	.0	.0	.0
0600	4.8	2.2	1.5	.0	.0	.0	.0	8.4	4.3	10.5	.2	.0	.0	.0	.0	.0	.0
1200	5.2	2.4	2.6	.0	.0	.0	.1	9.9	3.1	6.5	.1	.0	.0	.0	.0	.0	.0
1800	2.3	1.4	.8	.0	.0	.0	.0	4.4	2.5	.2	.1	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	1.7	1.4	.0	.0	.0	.	6.6	2.9	4.4	.1	.0	.0	.0	.	.	.
TOT OBS:	6140																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-7	8-10	11-21	22-32	34-47	48+					00	03	06	09	12	15	18	21
N	1.7	4.5	.6	.0	.0	.0		6.8	6.2	2.6	2.3	5.3	5.0	12.7	7.0	7.6	5.1	
NE	.9	3.5	.8	.1	.0	.0		5.3	7.3	2.8	4.2	4.6	3.2	8.4	6.5	5.7	5.7	
E	1.7	5.3	2.5	.6	.1	.		9.9	10.2	7.3	4.5	8.7	6.5	13.0	8.3	11.6	8.3	
SE	1.3	4.9	2.2	.4	.1	.0		8.8	9.8	9.1	8.4	9.4	9.1	6.5	6.9	10.2	10.3	
S	1.0	3.9	.9	.2	.	.0		5.9	7.7	8.6	9.2	6.8	5.0	3.7	2.1	.0	5.0	
SW	1.4	5.4	1.1	.1	.	.0		8.0	7.3	12.4	13.9	8.3	10.3	4.4	5.9	9.2	9.5	
W	3.3	17.0	5.3	.2	.	.0		26.0	8.2	38.0	31.5	25.8	35.1	17.8	23.6	21.3	30.1	
NW	2.5	12.4	3.3	.1	.	.0		18.3	7.7	12.4	17.1	17.2	17.9	21.3	30.5	20.7	21.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.9							10.9	.0	6.9	8.7	14.0	7.9	12.1	9.2	11.6	5.9	
TOT OBS	2043	4795	1409	154	24	1	432	10.9	7.3	1945	144	1033	126	1825	217	2201	136	
TOT PCT	24.2	56.4	16.7	1.4	.3	.	.	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	4.4	2.5	.	.0	.0			6.8	6.2	2.5	4.4	7.4
NE	3.1	2.0	.3	.	.			5.3	7.3	2.9	4.5	5.7
E	3.9	4.5	1.2	.3	.			9.9	10.2	7.1	8.5	11.4
SE	3.8	3.7	1.0	.3	.			8.8	9.8	9.0	9.4	10.2
S	3.2	2.4	.3	.1	.0			5.9	7.7	8.7	6.7	5.0
SW	4.4	3.2	.3	.1	.			8.0	7.3	12.5	8.4	6.5
W	11.2	13.5	1.2	.	.			26.0	8.2	37.5	26.4	21.4
NW	8.5	9.2	.6	.	.0			18.3	7.7	12.4	17.3	20.8
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
CALM	10.9							10.9	.0	7.1	13.6	11.3
TOT OBS	4440	3453	425	63	11	432		7.3		2054	1959	2042
TOT PCT	53.1	41.0	5.0	.7	.1			100.0		100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979AREA C007 ACAPULCO SOLIM
15.74 98.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	7.1	11.7	57.5	20.8	2.3	.6	.0	8.1	100.0	2054
0600	13.6	11.8	57.6	14.7	2.0	.3	.0	7.0	100.0	1959
1215	11.8	14.0	56.6	16.2	1.5	.6	.0	7.0	100.0	2042
1821	11.3	15.5	55.9	15.2	1.7	.3	.0	7.0	100.0	2337
TOT	917	1126	4795	1409	158	26	1	7.3		8432
PCT	10.9	13.4	56.9	16.7	1.9	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.4	2.1	7.0	.8		3.9
NE	1.6	1.2	1.7	1.0		4.4
E	1.6	2.2	3.3	2.7		5.2
SE	1.4	1.8	3.3	2.3		5.4
S	1.0	1.5	2.0	1.4		5.1
SW	1.5	2.1	2.8	1.3		4.7
W	6.9	7.7	8.3	1.0		4.2
NW	6.3	4.8	5.3	1.4		5.8
VAP	.0	.0	.0	.0		.0
CALM	4.2	3.1	3.0	.7		3.5
TOT OBS	1775	1743	2085	965	6568	4.3
TOT PCT	27.0	26.5	31.7	14.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, AM 24/P)
AND OCCURRENCE OF AM <5/P BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	CEILING HEIGHTS (FT, AM 24/P)										AM <5/P ANY PGT	TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	0	0	.1	.2	.5	.2	-1	0	0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NE	0	0	.1	.4	.5	.7	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
E	.3	.1	.3	.8	1.3	.6	.2	0	0	0	0	0	0	0	0	0	0	6.3
SE	.1	.1	.2	1.0	1.0	.7	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	5.3
S	0	.0	.1	.6	.8	.4	.1	0	0	0	0	0	0	0	0	0	0	2.9
SW	0	.1	.2	.6	.7	.4	.2	0	0	0	0	0	0	0	0	0	0	4.6
W	.1	0	.4	1.5	1.9	.9	.3	.1	0	0	0	0	0	0	0	0	0	20.6
NW	0	0	.2	.9	1.2	.5	.2	.1	0	0	0	0	0	0	0	0	0	14.9
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0	.1	.3	.8	.3	.1	0	0	0	0	0	0	0	0	0	0	0	5.4
TOT OBS	60	25	100	414	572	274	89	26	10	4	4	4	4	4	4	4	4	6568
TOT PCT	.9	.4	1.5	6.3	8.7	4.2	1.4	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 24/P) AND VSBY (MP)

CEILING (FEET)	VSBY (MP)							
	≥ CR >10	≥ CR >5	≥ CR >2	≥ CR >1	≥ CR >1/2	≥ CR >1/4	≥ CR >500	≥ CR >0
≥ CR >6500	.2	.3	.3	.3	.3	.3	.3	.3
≥ CR >5000	.5	.7	.7	.7	.7	.7	.7	.7
≥ CR >3500	1.7	1.9	2.0	2.0	2.0	2.0	2.0	2.0
≥ CR >2000	5.3	6.0	6.1	6.1	6.1	6.1	6.1	6.1
≥ CR >1000	12.1	14.2	14.7	14.7	14.7	14.7	14.8	14.8
≥ CR >600	16.2	19.8	20.7	20.9	21.0	21.0	21.0	21.0
≥ CR >300	17.0	21.1	22.1	22.3	22.4	22.4	22.5	22.5
≥ CR >150	17.2	21.4	22.5	22.7	22.8	22.8	22.9	22.9
≥ CR >0	17.4	21.8	23.0	23.5	23.6	23.6	23.7	23.7
TOTAL	1171	1466	1548	1579	1590	1591	1596	1597

TOTAL NUMBER OF OBS: 6730

PCT FREQ AM <5/P: 76.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.1	19.7	22.7	17.2	10.5	6.3	6.1	4.1	7.1	.6	7126

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979AREA CDD7 ACAPLCC SOL1+
15.7M 48.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.2	.1	.0	.0	.1	.0	.0	.0	.5	
2<5	PCP	.0	.1	.3	.2	.1	.1	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.4	
	TOT %	.1	.1	.4	.3	.1	.2	.1	.0	.0	.0	1.4	
5<10	PCP	.1	.2	.4	.4	.2	.3	.5	.4	.0	.1	2.5	
	NO PCP	.4	.4	.8	.6	.4	.5	1.6	1.0	.0	.4	6.1	
	TOT %	.5	.6	1.2	1.0	.6	.8	2.1	1.4	.0	.4	8.6	
10+	PCP	.2	.2	.4	.4	.2	.2	.6	.3	.0	.0	2.6	
	NO PCP	6.3	4.5	7.9	7.0	4.9	6.6	22.9	16.4	.0	10.1	86.6	
	TOT %	6.4	4.7	8.3	7.4	5.1	6.9	23.5	16.7	.0	10.1	89.1	
TOT OBS													7866
TOT PCT													
7.0 5.5 10.1 8.9 5.9 7.9 25.8 18.2 .0 10.6 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPL PTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.1	.2	.1	.0	.1	.1	.0	.0	.0	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.0	.1	.0	.1	.1	.1	.1	.0	.0	.4	
	11-21	.0	.0	.3	.2	.0	.1	.1	.1	.0	.0	.7	
	22+	.0	.0	.1	.1	.1	.0	.1	.0	.0	.0	.5	
	TOT %	.1	.1	.4	.3	.2	.2	.3	.2	.0	.0	1.8	
5<10	0-3	.1	.1	.1	.0	.0	.2	.1	.0	.0	.4	1.1	
	4-10	.3	.3	.5	.5	.3	.5	1.2	.9	.0	.0	4.4	
	11-21	.1	.2	.5	.4	.2	.2	.6	.3	.0	.0	2.5	
	22+	.0	.0	.2	.1	.0	.1	.2	.0	.0	.0	.6	
	TOT %	.5	.6	1.2	1.1	.6	.6	2.1	1.3	.0	.4	8.6	
10+	0-3	1.6	.8	1.2	1.2	1.0	1.4	3.0	2.3	.0	10.3	22.8	
	4-10	4.2	3.2	4.7	4.3	3.5	4.8	15.6	11.4	.0	.0	51.4	
	11-21	.5	.6	1.9	1.5	.7	.7	4.6	2.8	.0	.0	13.4	
	22+	.0	.0	.3	.3	.0	.0	.1	.1	.0	.0	.4	
	TOT %	6.3	4.6	8.1	7.3	5.2	6.9	23.3	16.7	.0	10.3	88.6	
TOT OBS													8200
TOT PCT													
6.9 5.3 10.0 8.9 6.0 8.0 25.8 18.3 .0 10.8 100.0													

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

OCTOBER

AREA 0007 ACAPULCO SOUTH
15.7N 98.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.7	.2	.8	4.7	6.4	3.6	1.2	.3	.2	.0	18.2	81.4	1814
0600Z	1.2	.2	1.8	7.5	10.5	4.3	1.1	.2	.1	.3	27.2	72.8	1613
12015	1.0	.4	2.4	6.0	9.5	4.3	1.4	.6	.1	.1	27.6	72.4	1658
18021	.6	.5	.9	4.4	7.4	3.8	1.5	.3	.3	.1	15.9	80.1	1936
TOT	60	25	101	425	586	278	93	26	10	8	1612	5409	7021
PCT	.9	.4	1.4	6.1	8.3	4.0	1.3	.4	.1	.1	23.0	77.0	100.0

TABLE 11

PERCENT FREQUENCY VSDBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.2	.3	.4	1.5	6.3	91.3	2080
0600Z	.7	.2	.4	2.1	11.8	85.3	1989
12015	.1	.2	.7	2.5	10.1	86.3	2040
18021	.1	.2	.6	1.5	6.2	91.4	2340
TOT	14	19	44	158	719	7495	8449
PCT	.2	.2	.5	1.9	8.5	88.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSDBY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8 BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	<1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.7	1.9	7.0	11.9	81.1	1742
0600Z	1.2	3.5	12.1	16.6	71.3	1535
12015	.9	4.0	13.2	15.6	71.1	1593
18021	.7	2.4	7.4	13.3	79.3	1960
TOT	59	194	456	759	5115	6730
PCT	.9	2.9	9.7	14.2	76.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	13	.2
90/94	.0	.0	.0	.3	1.1	.7	.2	.1	155	2.3
85/89	.0	.0	.1	.2	4.4	14.5	4.1	.6	1593	23.8
80/84	.0	.0	.0	.0	2.8	24.7	30.4	5.1	4250	63.4
75/79	.0	.0	.0	.0	.0	3.8	5.4	.6	675	10.1
70/74	.0	.0	.0	.0	.0	.0	.3	.3	18	.3
TOTAL	0	0	5	33	563	2729	2611	763	6704	100.0
PCT	.0	.0	.1	.5	8.4	40.7	38.6	11.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
.2	.1	.2	.1	.1	.1	.6	.7	.0	.3
1.3	1.0	1.8	1.9	1.3	1.8	7.4	4.6	.0	2.5
4.9	3.5	6.0	5.3	3.7	5.0	15.7	11.5	.0	7.7
.7	.8	2.1	1.3	.9	.9	1.8	1.1	.0	.5
.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
7.1	5.4	10.1	8.8	6.0	7.8	25.7	17.9	.0	11.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	97	91	88	84	79	74	72	83.7	2122
0600Z	90	86	85	82	78	74	72	82.0	2015
12015	88	86	85	81	77	75	72	81.1	2042
18021	98	93	91	85	79	75	71	84.7	2388
TOT	98	91	89	83	78	75	71	83.0	8617

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	.5	9.4	50.7	31.1	6.3	78	1725
0600Z	.0	2	3.9	33.8	49.1	13.0	82	1636
12015	.0	.1	1.6	26.4	52.6	17.3	83	1646
18021	.0	1.4	17.6	49.2	24.9	6.9	76	1863
TOT	0	40	581	2072	2646	778	60	6927

OCTOBER

 PERIOD: (PRIMARY) 1953-1979
 (COVER-ALL) 1872-1979

 AREA CDD? ACAPULCO SCLH-
 15.7N 98.9W

TABLE 17

 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
 VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 74	73 76	77 80	81 84	85 88	89 92	TOT	h FOG	h FOG
14/16	.0	.0	.0	.0	.0	.0	2	.0	.0
13/15	.0	.0	.0	.1	.1	.1	15	.0	.3
9/10	.0	.0	.0	.1	.1	.1	26	.0	.4
7/8	.0	.0	.0	.1	.3	.4	71	.0	1.0
6	.0	.0	.0	.1	.2	.3	67	.0	.6
5	.0	.0	.0	.2	.9	.7	126	.0	1.6
4	.0	.0	.0	.4	1.4	.8	197	.0	2.7
3	.0	.0	.1	.1	2.0	.4	216	.0	2.9
2	.0	.0	.1	1.4	3.0	.3	352	.0	5.1
1	.0	.0	.1	2.3	3.7	.1	458	.0	5.2
0	.0	.0	.3	7.7	4.7	.1	643	.0	12.7
-1	.0	.0	.4	9.1	3.1	.0	646	.0	12.8
-2	.0	.0	1.0	12.3	1.4	.1	1097	.0	14.6
-3	.0	.0	1.7	9.1	.6	.0	659	.0	11.6
-4	.0	.0	2.4	6.5	.1	.0	684	.0	9.3
-5	.0	.2	2.6	3.7	.4	.0	525	.0	8.8
-6	.0	.2	2.4	1.4	.0	.0	311	.0	4.2
-7/-8	.0	.6	2.9	1.0	.0	.0	333	.0	4.5
-9/-10	.0	.5	.4	.2	.0	.0	67	.0	1.3
-11/-12	.0	.4	.1	.0	.0	.0	36	.0	.5
-14/-16	.0	.0	.0	.0	.0	.0	2	.0	.0
-17/-18	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	3	144	1123	1655	238	31	7387	10	7377
PCT	.0	1.9	15.2	56.7	22.4	3.2	100.0	.1	99.9

PERIOD: (COVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.9	.0	1.0	.0	.0	.0	.0	1.5
1-2	.0	1.0	.1	.0	.0	.0	2.9	.1	2.0	.1	.0	.0	.0	2.2
3-4	.1	1.1	.4	.0	.0	.0	1.6	.0	.5	.2	.0	.0	.0	.8
5-6	.0	.2	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	4.3	.8	.0	.0	.0	6.8	.6	3.6	1.0	.0	.0	.0	5.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.1
1-2	.0	3.1	.0	.0	.0	.0	3.9	.0	2.2	.5	.1	.0	.0	3.3
3-4	.0	.9	1.3	.0	.0	.0	2.2	.1	.9	1.6	.0	.0	.0	2.5
5-6	.0	.3	.6	.1	.0	.0	1.1	.0	.1	.9	.2	.0	.0	.7
7	.0	.1	.7	.0	.0	.0	.8	.0	.1	.4	.2	.0	.0	.7
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.2	.1	.0	.3
12	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.2	3.2	.6	.1	.0	10.0	.9	4.1	3.2	.7	.3	.0	6.2

PERIOD: (COVER-ALL) 1543-1570

OCTOBER

AREA 0007 ACAPULCO SOUTH
15.74 98.96

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.0	.0	.0	.0	1.1	.4	1.0	.1	.0	.0	.0	1.7
1-2	.3	1.4	.1	.0	.0	.0	2.3	.7	2.4	.2	.0	.0	.0	3.4
3-4	.0	.4	.3	.0	.0	.0	.8	.0	.8	.2	.1	.0	.0	1.2
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.1	.4	.1	.0	.0	.7
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.5	.7	.0	.1	.0	4.9	.9	5.4	1.1	.1	.0	.0	7.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.9	3.2	.2	.0	.0	.0	5.3	1.1	2.5	.1	.0	.0	.0	3.7	
1-2	1.3	10.1	1.4	.0	.0	.0	13.0	1.6	7.3	.4	.0	.0	.0	9.8	
3-4	.2	4.3	1.9	.0	.0	.0	6.4	.0	2.8	1.4	.1	.0	.0	4.5	
5-6	.0	.7	.9	.0	.0	.0	1.6	.0	.4	.4	.2	.0	.0	1.1	
7	.0	.0	.6	.1	.0	.0	.7	.0	.0	.2	.1	.0	.0	.3	
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.1	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	18.4	5.3	.1	.0	.0	27.2	2.6	13.1	3.4	.3	.0	.0	19.7	90.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT CTS
<1	14.2	10.9	.4	.0	.0	.0	27.6	
1-2	8.1	31.1	4.0	.1	.0	.0	43.3	
3-4	.4	11.4	7.5	.1	.0	.0	19.0	
5-6	.1	7.1	3.4	.4	.0	.0	6.1	
7	.0	.4	2.3	.4	.0	.0	3.0	
8-9	.0	.3	.3	.2	.1	.0	.8	
10-11	.0	.0	.2	.3	.1	.0	.5	
12	.0	.0	.0	.1	.2	.1	.4	
13-16	.0	.0	.0	.2	.2	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.0	56.4	18.1	1.8	.6	.0	100.0	1854

PERIOD: (COVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN PCT
<6	6.5	17.0	14.0	5.3	1.4	.6	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2735	2
6-7	.2	2.5	7.8	7.2	3.2	1.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1374	5
8-9	.1	1.2	2.4	3.4	2.0	.8	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	642	1
10-11	.0	.4	1.0	.4	.5	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	220	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	4
>13	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
INDET	7.8	1.0	2.4	1.4	.4	.3	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	850	2
TOTAL	872	1368	1666	1138	491	144	99	36	39	15	9	3	3	1	0	0	0	0	0	5634	4
PCT	14.7	23.1	28.1	19.2	8.3	3.3	1.7	.6	.7	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD (PPH) 1452-1975
(COVER-ALL) 1472-1975AREA 0007 ACAPULCO SOLTA
15.7N 98.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HCLD	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE HAZE	SPRAY PLUG DUST	NO SIG WFA		
N	.4	.3	.3	.0	.0	.0	.0	1.4	.5	.4	.2	.0	.4	.0	.0	96.5	
NE	.6	.7	0	.0	.0	.0	.2	1.4	.9	2.1	.8	.0	1.4	0	.1	93.1	
E	1.7	1.1	.6	.0	.0	.0	.0	3.4	1.4	2.5	.2	.0	.8	.1	.0	91.4	
SE	3.4	1.6	.4	.0	.0	.0	.0	5.4	2.3	2.6	.0	.0	.2	.0	.0	89.0	
S	3.0	2.4	.3	.0	.0	.0	.0	5.6	1.6	2.3	.7	.0	.3	.0	.0	90.4	
SW	1.6	.5	.6	.0	.0	.0	.0	2.7	1.2	1.1	.4	.0	.4	.0	.0	93.4	
W	.6	.2	.2	.0	.0	.0	.0	1.0	1.3	1.5	.2	.0	.6	.1	.0	95.0	
NW	.4	.2	.3	.0	.0	.0	.0	.6	.7	1.6	.4	.0	.6	.0	.0	95.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.3	.1	.0	.0	.0	.0	.2	.7	3.1	.2	.0	1.4	.0	.0	94.5	
TOT PCT	.9	.5	.3	.0	.0	.0	0	1.7	1.1	2.0	.3	.0	.7	0	.0	94.2	
TOT OBS	7204																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HCLD

HCLD (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HCLD	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE HAZE	SPRAY PLUG DUST	NO SIG WFA		
00003	.3	.3	.2	.0	.0	.0	.0	1.2	.4	.2	.4	.0	.5	.1	.0	97.2	
06000	.6	.6	.2	.0	.0	.0	.0	1.7	1.4	4.0	.5	.0	1.1	.1	.0	90.3	
12015	1.4	.7	.4	.0	.0	.0	.0	2.4	1.7	3.3	.3	.0	.4	.0	.0	91.5	
18021	.6	.4	0	.0	.0	.0	0	1.1	.9	.1	.1	.0	.6	.0	.0	93.4	
TOT PCT	.9	.5	.3	.0	.0	.0	0	1.6	1.1	2.0	.3	.0	.7	0	.0	94.2	
TOT OBS	7497																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HCLD

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HCLD (GMT)							
	0-3	4-10	11-21	22-31	34-47	48+					00	03	06	09	12	15	18	21
N	3.2	6.9	.6	.0	.0	.0		10.7	5.5	4.5	5.4	4.7	1.7	17.9	12.7	12.3	14.5	
NE	1.7	4.6	.8	.1	0	.0		7.2	6.9	3.3	6.4	5.6	4.4	10.7	10.2	9.2	11.3	
E	1.7	5.3	1.5	.0	0	.0		8.4	7.9	4.1	7.0	4.7	2.3	9.5	9.7	11.7	9.6	
SE	1.3	3.3	1.0	.1	.0	.0		5.7	7.2	4.4	5.9	5.2	4.4	4.3	6.1	6.2	5.3	
S	1.0	2.5	.4	.1	0	.0		3.9	6.4	4.4	4.5	3.7	4.3	1.9	3.3	3.2	3.6	
SW	1.2	7.1	.4	.1	0	.0		5.3	6.2	4.8	7.1	4.5	7.4	2.7	6.0	4.1	6.7	
W	4.7	15.7	2.3	.1	0	.0		21.9	6.7	35.9	24.3	23.0	24.1	13.3	15.4	15.0	21.7	
NW	4.1	15.5	2.0	.1	.0	.0		21.6	6.5	17.3	14.4	20.7	24.1	25.4	26.4	27.3	22.5	
VAR	.0	.0	.0	.0	.0	.0		14.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	14.9							14.5	.0	9.8	15.4	14.4	14.7	15.4	10.8	15.4	17.0	
TOT OBS	2544	4424	702	50	5	0		7775	5.6	1401	140	1494	109	1494	213	1947	141	
TOT PCT	33.4	56.4	9.0	.6	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HCLD (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	7.7	3.0	.1	.0	.0		10.7	5.5	4.4	8.4	17.3	12.4	
NE	7.4	2.6	.2	.1	.0		7.2	6.9	3.7	5.7	10.0	9.3	
E	4.6	1.1	.5	.1	.0		8.4	7.9	4.2	8.8	4.2	10.4	
SE	3.2	2.2	.3	0	.0		5.7	7.2	4.7	5.3	4.5	6.1	
S	2.5	1.3	.1	0	.0		3.9	6.4	4.4	3.9	2.1	3.1	
SW	3.4	1.8	.1	0	.0		5.3	6.2	4.6	4.7	2.5	4.3	
W	12.4	9.2	.3	0	.0		21.9	6.7	35.4	23.1	13.5	14.4	
NW	12.8	8.5	.3	0	.0		21.4	6.5	17.3	21.0	25.7	22.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	14.9						14.5	.0	10.0	14.1	15.2	15.4	
TOT OBS	1117	2489	152	17	0	7775		4.4	1571	1407	1494	2128	
TOT PCT	15.6	32.0	2.0	.2	.0	100.0			100.0	100.0	100.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1972-1979AREA 0007 ACAPULCO SOLIN
15.7N 98.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				N/A	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	10.0	16.8	61.7	10.7	.7	.1	.0	6.4	100.0	1941	
0600	19.1	16.0	55.1	9.4	.4	.0	.0	5.4	100.0	1807	
1200	15.2	18.0	58.1	7.9	.7	.1	.0	5.5	100.0	1895	
1800	15.4	22.6	52.9	8.2	.8	.1	.0	5.3	100.0	2129	
TOT	1157	1437	4424	702	50	5	0	5.6		7775	
PCT	14.9	18.5	56.9	9.0	.6	.1	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	WIND COVER
N	6.1	2.7	1.7	.4	2.6	
NE	3.7	2.0	1.0	.4	2.7	
E	3.7	2.4	2.3	.9	3.5	
SE	1.9	1.4	1.6	.8	4.0	
S	1.2	1.0	1.2	.4	2.8	
SW	2.0	1.6	1.3	.3	3.5	
W	10.8	6.3	4.6	.8	3.0	
NW	11.6	5.6	3.1	.6	2.6	
VAR	.0	.0	.0	.0	.0	
CALM	8.6	3.5	2.0	.4	2.4	
TOT OBS	2965	1590	1118	282	5955	2.4
TOT PCT	49.8	26.7	18.8	4.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM > 4/8)
AND OCCURRENCE OF NH < 5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	WIND COVER
N	6.1	2.7	1.7	.4	2.6	
NE	3.7	2.0	1.0	.4	2.7	
E	3.7	2.4	2.3	.9	3.5	
SE	1.9	1.4	1.6	.8	4.0	
S	1.2	1.0	1.2	.4	2.8	
SW	2.0	1.6	1.3	.3	3.5	
W	10.8	6.3	4.6	.8	3.0	
NW	11.6	5.6	3.1	.6	2.6	
VAR	.0	.0	.0	.0	.0	
CALM	8.6	3.5	2.0	.4	2.4	
TOT OBS	2965	1590	1118	282	5955	2.4
TOT PCT	49.8	26.7	18.8	4.7	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 4/8) AND VSBY (NH)

CEILING (FEET)	≥ CR >10	≥ CR >5	≥ CR >2	VSBY (NM)				≥ CR >5000	≥ CR >0
				≥ CR >1	≥ CR >1/2	≥ CR >1/4	≥ CR >1/8		
≥ CR >6500	.3	.3	.3	.3	.3	.3	.3	.3	.3
≥ CR >5000	.7	.7	.7	.7	.7	.7	.7	.7	.7
≥ CR >3500	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ CR >2000	2.6	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ CR >1000	6.1	6.9	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ CR >600	8.1	9.2	9.5	9.5	9.5	9.5	9.5	9.5	9.5
≥ CR >300	8.4	9.7	10.0	10.0	10.0	10.0	10.1	10.1	10.1
≥ CR >150	8.5	9.9	10.1	10.2	10.2	10.2	10.2	10.2	10.2
≥ CR >0	8.6	10.0	10.3	10.3	10.3	10.4	10.4	10.4	10.4
TOTAL	529	614	632	634	636	637	638	638	638

TOTAL NUMBER OF OBS: 6149

PCT FREQ NH < 5/8: 89.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
17.7	28.4	22.3	13.9	7.3	3.3	3.3	1.8	2.0	.1	6449

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1976

NOVEMBER

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	.0	*	*	.0	.0	.0	*	
	TOT %	*	*	.0	*	.0	*	*	.0	.0	.0	.1	
1/2<1	PCP	*	*	.0	.0	.0	*	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	*	.0	.0	.0	.0	*	
1<2	PCP	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.1	
	NO PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	*	.0	.0	*	.0	.0	.0	.0	.0	.1	
2<5	PCP	*	*	*	*	*	*	*	*	.0	.0	.2	
	NO PCP	*	*	.1	*	*	*	.1	*	.0	.0	.2	
	TOT %	*	*	.1	*	*	.1	*	*	.0	.0	.4	
5<10	PCP	*	*	.1	.1	.1	.1	.1	.1	.0	*	.5	
	NO PCP	.5	.5	.5	.3	.2	.2	.6	1.2	.0	.4	4.3	
	TOT %	.5	.5	.5	.4	.3	.3	.7	1.2	.0	.4	4.9	
10+	PCP	.1	*	.2	.2	.1	*	.1	.1	.0	*	.9	
	NO PCP	10.2	6.1	8.0	5.0	3.5	4.9	21.4	20.4	.0	13.9	93.7	
	TOT %	10.3	6.1	8.2	5.2	3.6	4.9	21.5	20.5	.0	13.9	94.6	
TOT OBS													7182
TOT PCT													
10.9 7.1 8.6 5.7 3.9 5.3 22.3 21.7 .0 14.3 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	4-10	.0	.0	.0	.0	.0	*	*	*	.0	.0	*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	*	.0	*	.0	*	*	*	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	*	.0	.0	.0	.0	*	
1<2	0-3	*	.0	.0	*	.0	.0	.0	.0	.0	*	*	
	4-10	*	*	.0	.0	*	*	*	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.1	
	TOT %	*	*	.0	*	*	*	*	.0	.0	.0	.2	
2<5	0-3	.0	.0	*	*	.0	.0	*	*	.0	*	.1	
	4-10	*	.1	.1	*	*	*	*	.1	.0	.0	.3	
	11-21	*	*	*	*	*	*	*	.0	.0	.0	.1	
	22+	.0	.0	*	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	.1	.1	.1	*	.1	*	.1	.1	.0	*	.6	
5<10	0-3	.1	.1	.1	*	*	*	.1	.2	.0	.4	1.2	
	4-10	.3	.2	.2	.2	.2	.2	.4	.6	.0		2.5	
	11-21	.1	.1	.2	.1	.1	.1	.1	.1	.0		.9	
	22+	.0	*	*	*	.0	*	*	.0	.0	.0	.1	
	TOT %	.5	.5	.5	.4	.3	.3	.6	1.2	.0	.4	4.7	
10+	0-3	3.1	1.6	1.5	1.2	.9	1.2	4.1	3.9	.0	14.3	21.8	
	4-10	6.7	4.2	5.0	3.0	2.3	3.4	14.9	14.7	.0		54.1	
	11-21	.5	.6	1.4	.9	.3	.3	2.2	1.9	.0		8.1	
	22+	.0	.1	.2	.1	*	*	.1	*	.0		.5	
	TOT %	10.2	6.6	8.1	5.1	3.5	4.9	21.2	20.4	.0	14.3	94.4	
TOT OBS													7521
TOT PCT													
10.8 7.2 8.7 5.6 3.9 5.3 22.0 21.7 .0 14.7 100.0													

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PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979AREA 0007 ACAPULCC SOLT-
15.7N 98.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	#000+	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.1	.1	.2	1.7	3.4	1.9	1.2	.4	.1	.1	9.2	90.8	1658
06009	.1	.1	.6	2.7	3.5	1.7	.7	.3	.1	.1	10.0	90.0	1494
12015	.3	.1	.8	3.1	4.5	1.5	.8	.1	.1	.4	11.7	88.3	1519
18021	.1	.3	.4	2.0	3.7	1.2	.7	.5	.2	.2	9.4	90.6	1749
TOT	10	10	31	151	243	102	55	20	9	12	643	5777	6420
PCT	.2	.2	.5	2.4	3.8	1.6	.9	.3	.1	.2	10.2	90.0	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.0	.2	.3	3.5	95.9	1928
06009	.0	.0	.0	.4	5.9	93.7	1832
12015	.1	.1	.5	1.1	6.1	92.4	1898
18021	.0	.0	.1	.6	3.4	95.7	2146
TOT	6	2	12	45	365	7374	7804
PCT	.1	.0	.2	.6	4.7	94.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING MGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.2	.4	2.4	7.3	90.4	1586
06009	.1	.9	4.1	6.5	89.4	1422
12015	.3	1.3	4.8	7.5	87.8	1462
18021	.1	.9	3.4	6.4	90.2	1674
TOT	11	54	223	425	5501	6149
PCT	.2	.9	3.6	6.9	89.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.1
90/94	.0	.0	.0	.5	1.0	.5	.2	.1	113	1.9
85/89	.0	.0	.1	.5	4.3	10.2	2.6	.5	1098	18.1
80/84	.0	.0	.1	.6	6.0	34.1	26.6	3.8	4263	71.1
75/79	.0	.0	.0	.0	.1	2.3	4.0	2.2	515	8.6
70/74	.0	.0	.0	.0	.0	.0	.1	.1	16	.3
TOTAL	0	0	11	81	685	2416	2006	399	5698	100.0
PCT	.0	.0	.2	1.4	11.4	46.9	33.4	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.2	.1	.2	.2	.0	.1	.5	.5	.0	.3
1.7	1.1	1.6	.8	.6	1.1	4.6	4.4	.0	2.3
7.9	4.9	5.9	3.9	2.5	3.7	16.2	15.5	.0	10.7
1.2	1.0	1.5	.1	.5	.3	1.0	1.1	.0	1.2
.0	.1	.0	.0	.1	.0	.0	.1	.0	.0
11.0	7.2	9.2	5.6	3.7	5.3	22.1	21.4	.0	14.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99	95	50	5	1	MIN	MEAN	TOTAL OBS
00003	94	90	87	83	80	77	68	83.3	1986
06009	90	86	84	82	79	77	70	81.8	1880
12015	92	85	84	81	77	75	70	80.4	1957
18021	98	92	90	84	80	77	68	84.3	2190
TOT	98	90	87	82	79	76	68	82.6	8013

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.8	12.8	53.2	29.0	3.4	76	1562
06009	.0	.5	6.1	46.0	40.9	6.5	74	1484
12015	.0	.3	2.9	37.7	46.0	13.1	87	1505
18021	.0	3.4	22.5	49.9	20.0	4.2	74	1656
TOT	0	96	708	2917	2089	417	78	6227

PERIOD: (PRIMARY) 1953-1979
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AREA 0007 ACAPULCC SOUTH
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TABLE 17

PCT FREQ OF 1/4 TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65	69	73	77	81	85	89	>92	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
12/13	.0	.0	.0	.0	.2	.0	.0	.1	22	.0	.3
9/10	.0	.0	.0	.0	.1	.1	.1	.1	30	.0	.4
7/8	.0	.0	.0	.1	.3	.3	.5	.2	85	.0	1.3
6	.0	.0	.0	.1	.3	.3	.3	.0	50	.0	.7
5	.0	.0	.0	.1	.5	.6	.6	.0	119	.0	1.8
4	.0	.0	.0	.1	.9	.9	.4	.0	158	.0	2.3
3	.0	.0	.0	.1	.8	1.5	.3	.0	182	.0	2.7
2	.0	.0	.0	.2	2.7	2.5	.1	.0	382	.1	5.6
1	.0	.0	.0	.3	2.7	3.0	.0	.0	410	.0	6.0
0	.0	.0	.1	.7	8.5	3.6	.0	.0	878	.0	12.9
-1	.0	.0	.0	.8	9.2	2.4	.0	.0	845	.1	12.4
-2	.0	.0	.1	2.0	13.5	.8	.0	.0	1107	.1	16.2
-3	.0	.0	.1	2.3	9.5	.4	.0	.0	835	.0	12.3
-4	.0	.0	.1	3.0	7.1	.2	.0	.0	708	.0	10.4
-5	.0	.0	.1	2.8	3.6	.1	.0	.0	449	.0	6.6
-6	.0	.0	.1	2.0	1.3	.0	.0	.0	229	.0	3.4
-7/-8	.0	.0	.2	2.3	.6	.0	.0	.0	216	.0	3.2
-9/-10	.0	.0	.3	.4	.1	.0	.0	.0	50	.0	.7
-11/-13	.0	.1	.1	.1	.0	.0	.0	.0	19	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	2	72	72	1175	1139	172	24	6788	22	6766	
PCT	.0	.1	1.1	17.3	61.9	16.8	2.5	.4	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.5	3.1	.1	.0	.0	.0	4.6	1.0	1.8	.1	.0	.0	.0	2.9
1-2	.8	4.2	.2	.0	.0	.0	5.2	.9	2.3	.1	.0	.0	.0	3.3
3-4	.0	1.0	.2	.0	.0	.0	1.2	.3	.6	.3	.0	.0	.0	1.3
5-6	.0	.3	.1	.0	.0	.0	.4	.0	.4	.2	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	8.5	.5	.0	.0	.0	11.4	2.3	5.2	.7	.0	.0	.0	8.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.4	.1	.0	.0	.0	2.5	.4	.8	.0	.0	.0	.0	1.1
1-2	.2	2.8	.3	.0	.0	.0	3.3	.3	1.7	.2	.0	.0	.0	2.3
3-4	.2	.4	.2	.0	.0	.0	1.4	.0	.5	.3	.0	.0	.0	.8
5-6	.0	.3	.1	.0	.0	.0	.7	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	5.0	1.6	.2	.0	.0	8.2	.7	3.2	.7	.0	.0	.0	6.7

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

AREA CODE ACAPULCO 'CLTH
15.7N 98.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.7	.0	.0	.0	.0	1.0	.8	.8	.0	.0	.0	.0	1.6
1-2	.2	1.1	.1	.0	.0	.0	1.5	.6	1.9	.3	.0	.0	.0	2.7
3-4	.1	.5	.2	.0	.0	.0	.8	.0	.5	.2	.0	.0	.0	.7
5-6	.0	.2	.1	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.5	.4	.0	.0	.0	3.6	1.4	3.3	.5	.0	.0	.0	5.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	2.5	4.4	.1	.0	.0	.0	7.0	1.6	3.5	.1	.0	.0	.0	5.2	
1-2	1.4	9.6	.9	.0	.0	.0	11.9	1.8	9.2	1.0	.0	.0	.0	12.0	
3-4	.2	2.9	.7	.0	.0	.0	3.9	.2	2.5	.4	.0	.0	.0	3.1	
5-6	.0	.7	.2	.1	.0	.0	1.0	.0	.5	.2	.0	.0	.0	.8	
7	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.1	17.7	2.2	.1	.0	.0	24.2	3.7	15.9	1.7	.0	.0	.0	21.3	86.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	23.3	16.2	.4	.0	.0	.0	39.9	
1-2	7.1	32.0	3.0	.0	.0	.0	42.1	
3-4	1.2	8.8	3.0	.0	.0	.0	13.0	
5-6	.0	2.5	1.4	.2	.0	.0	4.1	
7	.0	.2	.1	.1	.0	.0	.5	
8-9	.0	.0	.2	.1	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	31.6	59.9	8.1	.3	.0	.0	100.0	1620

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	10.1	22.8	12.6	3.9	1.1	.5	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2695	2
6-7	.3	3.2	6.3	4.5	1.9	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	913	4
8-9	.1	1.4	2.5	1.5	.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	378	5
10-11	.0	1.2	.9	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	181	6
12-13	.0	.0	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	5
>13	.0	.0	.0	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
INDOT	12.5	2.2	2.4	.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	966	1
TOTAL	1207	1617	1331	640	248	59	41	33	19	6	2	0	0	0	0	0	0	0	0	5243	2
PCT	23.0	30.8	25.4	12.2	4.7	1.9	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

AREA 0007 ACAPULCO SCLH
15.7N 98.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FBZL PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG BLWG SMOG
N	.2	.0	.1	.0	.0	.0	.0	.2	.0	1.4	.3	.0	1.1	.1	96.8
NE	.0	.3	.0	.0	.0	.0	.0	.3	.2	.7	.9	.0	.1	.0	97.5
E	.2	.2	.0	.0	.0	.0	.0	.3	.7	.4	.5	.0	.1	.1	97.7
SE	.0	.6	.2	.0	.0	.0	.0	.9	.5	.6	.3	.0	.1	.1	97.5
S	1.2	.0	.0	.0	.0	.0	.0	1.2	.3	.8	.0	.0	.0	.0	97.8
SW	.4	.0	.3	.0	.0	.0	.0	.4	.4	.4	1.3	.0	1.3	.0	96.4
W	.1	.2	.1	.0	.0	.0	.0	.4	.3	.5	.0	.0	.7	.0	98.1
NW	.1	.3	.1	.0	.0	.0	.0	.5	.3	.8	.1	.0	.5	.0	97.8
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.2	.1	.0	.0	.0	.1	.5	.3	.6	.1	.0	2.0	.1	96.4
TOT PCT	.2	.2	.1	.0	.0	.0	.	.4	.3	.7	.3	.0	.8	.	97.4
TOT OBS:	6579														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG BLWG SMOG
0000	.2	.3	.1	.0	.0	.0	.0	.5	.1	.0	.1	.0	.6	.0	98.7
0600	.1	.4	.1	.0	.0	.0	.0	.7	.2	1.5	.5	.0	1.2	.0	95.9
1200	.3	.1	.1	.0	.0	.0	.1	.5	.6	1.7	.5	.0	.7	.0	96.0
1800	.1	.1	.1	.0	.0	.0	.0	.2	.3	.0	.2	.0	.6	.2	98.5
TOT PCT	.2	.2	.1	.0	.0	.0	.	.5	.3	.8	.3	.0	.8	.	97.4
TOT OBS:	6842														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		4-10	11-21	22-33	34-47		00					03	06	09	12	15	18	21
N	3.3	7.0	.6	.	.	.0		10.9	5.6	6.3	6.4	7.4	6.8	17.1	15.6	14.2	17.6	
NE	2.2	5.7	1.1	.2	.1	.0		9.3	7.1	5.0	8.6	7.3	6.8	11.8	16.3	12.0	8.5	
E	2.0	5.9	1.6	.1	.0	.0		9.6	7.4	6.8	5.7	8.9	3.7	10.2	8.8	12.9	8.3	
SE	1.3	2.9	.6	.0	.0	.0		4.8	6.2	5.6	5.7	4.4	7.4	3.5	3.1	5.4	3.5	
S	1.2	2.4	.2	.0	.0	.0		3.8	5.4	7.3	1.9	3.9	6.8	1.7	1.1	2.5	6.3	
SW	1.6	3.2	.2	.	.0	.0		5.0	5.5	10.9	6.0	3.6	9.5	1.9	4.9	3.4	3.9	
W	3.7	14.1	2.2	.	.0	.0		20.1	6.6	35.7	26.4	22.5	24.2	10.7	17.0	12.0	20.2	
NW	4.0	13.5	1.8	.	.0	.0		19.2	6.3	13.4	18.3	21.4	20.0	22.5	18.6	19.5	24.8	
VAP	.7	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	17.2							17.2	.0	10.9	21.0	20.6	14.7	20.6	14.5	17.8	7.0	
TOT OBS	2576	3864	595	32	6	0	7074		5.3	1614	105	1580	95	1527	179	1879	115	
TOT PCT	36.4	54.6	8.4	.5	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL CMS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40						00 03	06 09	12 15	18 21				
N	7.9	2.9	.1	.	.	.		10.9	5.6	4.5	7.3	16.9	14.4				
NE	5.7	3.0	.5	.1	.	.		9.3	7.1	5.2	7.3	12.3	11.8				
E	5.2	3.9	.5	.	.	.		9.6	7.4	6.8	8.6	10.1	12.1				
SE	3.1	1.7	.1	.0	.0	.		4.8	6.2	5.6	4.6	3.4	5.5				
S	2.7	1.1	.	.0	.0	.		3.8	5.4	7.0	4.1	1.7	2.7				
SW	3.5	1.4	.	.0	.0	.		5.0	5.5	10.6	3.9	2.2	3.4				
W	11.9	8.0	.1	.	.0	.		20.1	6.6	35.2	22.6	11.4	12.5				
NW	12.0	7.0	.2	.0	.0	.		19.2	6.3	13.7	21.3	22.1	19.8				
VAP	.0	.0	.0	.0	.0	.		.0	.0	.0	.0	.0	.0				
CALM	17.2							17.2	.0	11.5	20.2	19.9	17.2				
TOT OBS	4859	2053	107	12	3	7074			5.3	1716	1655	1706	1994				
TOT PCT	69.3	29.0	1.5	.2	.			100.0		100.0	100.0	100.0	100.0				

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND DIR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	11.5	16.9	60.4	10.4	.6	.1	.0	6.1	100.0	1719
06009	20.2	17.8	52.5	9.0	.4	.1	.0	5.1	100.0	1655
12015	19.9	18.6	55.1	5.9	.4	.1	.0	4.9	100.0	1706
18021	17.2	22.9	51.0	8.7	.5	.1	.0	5.1	100.0	1994
TOT	1216	1360	3864	596	33	6	0	5.1		7074
PCT	17.2	19.2	54.6	8.4	.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL	MEAN CLOUD COVER
N	6.8	2.3	1.2	.4		2.2
NE	5.2	1.9	1.4	.4		2.5
E	5.0	2.1	2.2	.6		3.0
SE	2.4	1.4	1.1	.2		2.9
S	2.1	1.1	.6	.2		2.7
SW	2.6	1.2	.9	.4		2.8
W	12.8	4.7	2.5	.8		2.3
NW	11.3	4.2	2.5	.6		2.3
VAR	.0	.0	.0	.0		.0
CALM	10.9	3.3	2.3	.5		2.1
TOT OBS	3170	1190	786	16	5362	2.4
TOT PCT	59.1	22.2	14.7	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, AM >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

CEILING (FT)	149	150	159	600	1000	2000	3500	5000	6500	8000	ANY <5/P	TOTAL
149	149	299	599	999	1999	3999	4999	6499	7999			
N	.0	.0	.0	.1	.3	.1	.1	.0	.0	.0	10.1	
NE	.0	.1	.1	.2	.2	.1	.0	.0	.0	.0	10.1	
E	.0	.0	.0	.3	.4	.3	.2	.1	.0	.0	10.4	
SE	.0	.0	.0	.1	.3	.1	.1	.0	.0	.0	10.4	
S	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	10.7	
SW	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	10.6	
W	.0	.1	.1	.4	.2	.3	.0	.0	.0	.0	10.6	
NW	.0	.0	.0	.2	.5	.2	.2	.0	.1	.0	10.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.3	.2	.1	.1	.0	.1	10.9	
TOT OBS	13	2	13	83	141	74	54	14	12	11	4945	5362
TOT PCT	.2	.0	.2	1.5	2.6	1.4	1.0	.3	.2	.2	92.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/P) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.5	.5	.5	.5	.5	.5	.5	.5	.5
= OR >5000	.7	.7	.7	.7	.7	.7	.7	.7	.7
= OR >3500	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >2000	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
= OR >1000	5.1	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
= OR >600	6.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
= OR >300	6.6	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4
= OR >150	6.6	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4
= OR >0	6.8	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6
TOTAL	377	418	420	420	422	423	423	423	425

TOTAL NUMBER OF OBS: 5557

PCT FREQ NH <5/P: 92.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
29.0	27.5	18.1	11.1	6.2	2.3	2.2	1.4	1.6	.1	5879

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

DECEMBER

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	10.4	9.4	9.4	4.5	3.7	4.9	19.5	18.5	.0	16.1	95.6	
	TOT 3	10.4	9.4	9.4	4.5	3.7	4.9	19.5	18.5	.0	16.1	95.6	
TOT OBS													6557
TOT PCT		10.8	9.2	10.0	4.9	3.9	5.1	20.1	19.2	.0	16.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.2	.3	.2	.1	.0	.1	.1	.2	.0	.5	1.7	
	4-10	.2	.2	.2	.2	.1	.0	.3	.3	.0		1.6	
	11-21	.0	.0	.1	.1	.0	.0	.1	.1	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT 3	.4	.5	.5	.3	.2	.2	.5	.6	.0	.5	3.8	
10+	0-3	3.1	1.9	1.8	1.2	1.2	1.4	3.6	3.7	.0	16.5	34.3	
	4-10	6.8	5.4	5.8	2.7	2.3	3.1	13.8	13.1	.0		53.0	
	11-21	.5	1.0	1.5	.5	.2	.2	2.2	1.7	.0		7.9	
	22+	.1	.2	.1	.0	.0	.0	.0	.0	.0		.5	
	TOT 3	10.4	8.6	9.1	4.4	3.7	4.8	19.6	18.5	.0	16.5	95.7	
TOT OBS													6957
TOT PCT		10.8	9.2	9.7	4.8	3.9	5.0	20.2	19.2	.0	17.1	100.0	

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1861-1979

AREA D007 ACAPULCO SCLTH
15.74 98.94

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >N/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.1	.1	.1	.7	2.6	1.6	1.2	.0	.3	.1	6.7	92.3	1467
06009	.3	.1	.2	2.0	2.2	1.1	.7	.0	.2	.3	7.2	92.8	1398
12015	.4	.0	.4	1.7	2.4	1.3	.7	.1	.1	.3	7.5	92.5	1362
18021	.1	.0	.2	1.5	2.5	1.1	1.1	.7	.2	.2	7.8	92.2	1609
TOT	13	2	14	65	143	76	55	14	13	13	428	5429	5656
PCT	.2	0	.2	1.5	2.4	1.3	.6	.2	.2	.2	7.3	92.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.1	.0	.2	3.0	96.7	1714
06009	.2	.0	.1	.5	4.9	94.3	1699
12015	.2	.1	.1	.2	5.6	93.8	1721
18021	.3	.0	.0	.3	2.3	97.1	1988
TOT	12	2	2	23	279	6805	7122
PCT	.2	0	0	.3	3.9	95.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >N/8), BY HOUR

HOUR (GMT)	<150 <500 FT	<600 <1	<1000 <5	<1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	.3	1.1	5.9	93.0	1464
06009	.3	.6	3.0	4.6	92.4	1334
12015	.5	.6	2.7	5.2	92.1	1299
18021	.1	.4	2.2	6.7	91.5	1521
TOT	13	30	124	308	5125	5557
PCT	.2	.5	2.2	5.5	92.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	C-20	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	0	0	.0	.0	.0	.0	.0	2	0
90/94	.0	.0	0	.2	.4	0	0	.0	38	.7
85/89	.0	0	0	.5	3.7	4.2	1.4	.3	566	10.3
80/84	.0	.0	.2	.8	11.4	35.4	18.3	3.4	3799	69.4
75/79	.0	.0	.0	.1	.7	6.4	8.7	3.0	1035	18.9
70/74	.0	.0	.0	.0	0	.1	.2	.3	34	.6
65/69	.0	.0	.0	.0	0	0	0	.0	2	0
TOTAL	0	2	17	90	883	2532	1564	384	5476	100.0
PCT	.0	0	.3	1.6	16.1	46.2	28.6	7.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALP
95/99	.0	.0	.0	.0	.0	.0	0	.0	.0	0
90/94	.2	.1	.1	0	0	0	.1	.2	.0	0
85/89	1.3	.7	1.0	.8	.4	.6	2.0	1.9	.0	1.6
80/84	6.6	5.7	6.5	3.3	3.1	3.7	15.3	13.0	.0	12.2
75/79	2.7	2.3	2.2	.9	.6	.5	2.6	3.7	.0	3.3
70/74	.1	.1	.1	0	0	.1	.1	0	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	0	0	0
TOTAL	10.8	9.0	9.8	5.0	4.4	4.9	20.3	18.8	.0	17.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	88	86	82	79	76	69	82.2	1756
06009	96	85	83	81	77	74	65	80.7	1731
12015	90	84	83	80	76	72	68	79.7	1754
18021	96	90	88	82	79	76	65	82.9	2054
TOT	96	89	86	81	77	74	65	81.4	7295

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY CLW

HOUR (GMT)	C-20	30-56	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.0	22.4	50.2	21.7	3.4	75	1467
06009	.0	.8	7.7	47.6	34.9	8.7	74	1409
12015	.0	.7	6.0	41.0	39.1	12.5	81	1374
18021	.0	4.5	26.4	45.1	20.4	3.4	74	1517
TOT	0	113	407	2638	1645	403	77	5706

PERIOD: (PRIMARY) 1952-1975
(OVER-ALL) 1961-1979

DECEMBER

AREA 0007 ACAPULCO SOUTH
15.7N 98.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 60	69 72	73 76	77 80	81 84	85 88	89 92	902	TOT	N FOG	NO FOG
17/15	.0	.0	.0	.0	.	.0	.	.0	2	.0	.
14/16	.0	.0	.0	.0	.	.1	.	.0	7	.0	.1
11/13	.0	.0	.0	.1	.1	.1	.	.	23	.0	.4
9/10	.0	.0	.0	.	.3	.1	.	.	44	.	.7
7/8	.0	.0	.0	.1	.5	.3	.4	.0	12	.0	1.2
6	.0	.0	.	.2	.2	.3	.1	.	51	.0	.8
5	.0	.0	.	.2	.6	.5	.2	.0	90	.0	1.6
4	.0	.0	.	.3	1.0	1.1	.1	.0	154	.	2.5
3	.0	.	.0	.2	.9	1.4	.1	.0	141	.0	2.6
2	.0	.	.	.1	.4	1.3	1.0	.	352	.	5.7
1	.0	.0	.	.5	1.6	1.5	.0	.0	367	.	5.9
0	.0	.	.	2.2	9.1	14.4	.0	.	791	.	12.8
-1	.0	.	.1	2.3	8.6	.8	.0	.0	729	.	11.7
-2	.0	.	.1	4.7	10.2	.3	.0	.0	946	.	15.2
-3	.0	.	.2	4.5	6.9	.2	.0	.0	730	.0	11.8
-4	.0	.	.3	6.3	4.5	.	.0	.0	696	.	11.2
-5	.	.	.2	4.1	2.3	.	.0	.0	412	.0	6.7
-6	.0	.	.3	3.1	.8	.	.0	.0	280	.0	4.3
-7/-8	.0	.	.	2.3	.	.0	.0	.0	214	.0	3.5
-9/-10	.0	.0	.4	.4	.1	.0	.0	.0	56	.0	.9
-11/-13	.0	.	.1	.1	.	.0	.0	.0	16	.0	.3
-14/-16	.	.	.0	.0	.0	.0	.0	.0	3	.0	.
TOTAL	3		151		3351		69		6192	14	6178
PCT	.	.3	2.4	32.0	54.1	9.8	1.1	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	1.9	.1	.0	.0	.0	3.6	.9	1.7	.1	.0	.0	.0	2.7
1-2	1.1	3.7	.2	.0	.0	.0	5.0	.6	3.0	.7	.0	.0	.0	3.8
3-4	.1	.5	.2	.0	.	.0	.9	.	.5	.3	.	.	.	1.3
5-6	.0	.0	.0	.0	.	.0	.4	.0	.2	.2	.1	.	.	.6
7	.0	.0	.1	.0	.	.0	.1	.0	.1	.3	.0	.0	.	.4
8-9	.0	.1	.0	.0	.	.0	.1	.0	.1	.1	.0	.0	.	.1
10-11	.0	.0	.0	.0	.	.0	.0	.0	.0	.1	.1	.0	.	.1
12	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
TOT PCT	2.9	6.5	.7	.0	.1	.0	10.1	1.5	5.9	1.3	.3	.2	.0	9.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.4	.0	.0	.0	.0	2.3	.4	.4	.0	.0	.0	.	1.2
1-2	.1	4.1	.5	.0	.0	.0	4.7	.2	2.3	.0	.0	.0	.	2.9
3-4	.2	1.6	.8	.3	.0	.0	2.6	.	.7	.4	.0	.0	.	1.1
5-6	.1	.3	.4	.1	.0	.0	.8	.0	.1	.0	.0	.0	.	.1
7	.0	.1	.1	.	.0	.0	.4	.0	.0	.0	.0	.0	.	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0
TOT PCT	1.3	7.7	1.9	.2	.0	.0	11.0	1.1	3.5	.9	.0	.0	.0	5.4

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA CDD7 ACAPULCO SOUTH
15.7N 98.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.0	.0	.0	.0	1.6	.3	.8	.1	.0	.0	.0	1.2
1-2	.5	2.0	.1	.0	.0	.0	2.5	.8	2.9	.8	.0	.0	.0	3.7
3-4	.0	.6	.0	.0	.0	.0	.6	.1	.4	.0	.0	.0	.0	.4
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.6	.1	.0	.0	.0	4.8	1.2	4.2	.1	.0	.0	.0	5.5

U								NW								TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<1	1.0	3.9	.0	.0	.0	.0	4.8	2.6	4.0	.0	.0	.0	.0	6.7		
1-2	1.9	8.0	.8	.0	.0	.0	10.6	7.7	6.7	1.3	.0	.0	.0	8.7		
3-4	.2	2.2	1.3	.1	.0	.0	3.7	.1	2.0	.6	.0	.0	.0	2.8		
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.5	.1	.0	.0	.0	.6		
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	3.0	14.4	2.4	.1	.0	.0	20.0	3.4	13.4	2.0	.0	.0	.0	18.8	84.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.8	14.7	.2	.0	.0	.0	39.7	
1-2	6.8	32.1	3.4	.0	.0	.0	42.3	
3-4	.9	8.6	3.4	.1	.0	.0	13.0	
5-6	.1	1.8	1.1	.1	.1	.0	3.3	
7	.0	.3	.6	.1	.0	.0	.9	
8-9	.0	.2	.1	.0	.0	.0	.4	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	32.6	57.8	8.8	.5	.4	.0	100.0	1413

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	11.7	24.3	12.7	3.4	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2555	2
6-7	.4	3.1	5.4	2.9	.9	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	669	4
8-9	.1	1.2	2.1	1.4	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	283	4
10-11	.0	1.1	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4
12-13	.0	.0	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	4
13	.0	.0	.0	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	7
INDET	17.0	2.3	2.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1057	1
TOTAL	1386	1521	1225	644	151	74	19	11	14	4	4	1	0	0	0	0	0	0	0	4754	2
PCT	24.2	32.0	23.7	9.3	3.2	1.6	.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0007 ACAPULCO SOUTH
15.7N 96.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG SEA
N	1.7	.7	.8	.0	.0	.0	*	3.1	1.3	3.6	.2	.0	1.9	*	90.3
NE	2.9	1.2	.8	.0	.0	.0	*	4.9	2.3	3.9	.4	.0	2.0	*	86.7
E	4.3	1.8	1.2	.0	.0	.0	*	7.3	3.0	3.2	.2	.0	1.7	.1	84.8
SE	3.8	2.0	1.0	.0	.0	.0	.0	6.7	3.0	3.2	.2	.0	1.7	*	85.5
S	2.7	1.6	.9	.0	.0	.0	.1	5.3	2.3	3.2	.1	.0	1.9	.0	87.4
SW	2.8	1.2	.9	.0	.0	.0	*	4.8	2.0	2.6	.3	*	2.2	*	88.2
W	1.4	.7	.5	.0	.0	.0	*	2.6	1.3	2.5	.2	*	1.7	*	91.7
NW	1.2	.7	.5	.0	.0	.0	*	2.3	1.0	2.8	.2	.0	1.5	*	92.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.5	.3	.0	.0	.0	*	1.2	.7	3.7	.2	*	3.8	*	90.2
TOT PCT	2.1	1.1	.7	.0	.0	.0	*	3.8	1.7	2.9	.2	*	2.0	*	89.5
TOT OBS:	92078														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG SEA
0000	1.3	.7	.5	.0	.0	.0	*	2.4	1.1	.6	.2	*	1.9	*	93.9
0600	2.6	1.4	.8	.0	.0	.0	*	4.7	2.1	7.6	.2	.0	1.6	.1	84.0
1200	3.1	1.5	1.1	.0	.0	.0	*	5.7	2.2	4.1	.3	*	1.9	*	86.1
1800	1.6	.8	.4	.0	.0	.0	*	2.8	1.5	.3	.2	.0	2.4	*	92.9
TOT PCT	2.1	1.1	.7	.0	.0	.0	*	3.8	1.7	3.0	.2	*	1.9	*	89.4
TOT OBS:	95143														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	2.1	5.4	.7	*	*	*		8.2	6.2		3.3	3.4	6.4	4.8	13.5	10.4	9.9	9.1
NE	1.2	4.0	.8	.1	*	*		6.1	7.2		3.0	4.9	5.2	5.0	8.9	9.5	7.1	7.0
E	1.3	5.1	2.2	.4	.1	*		9.1	8.8		6.1	6.2	8.8	6.8	10.6	10.1	11.0	8.3
SE	1.1	4.0	1.7	.3	.1	*		7.2	8.2		8.3	7.5	7.6	8.1	5.1	5.9	7.8	7.6
S	1.0	2.9	.7	.1	*	*		4.7	6.8		7.6	6.2	4.8	6.5	2.5	2.6	3.9	4.9
SW	1.4	4.8	.9	.1	*	*		7.2	6.9		13.6	10.8	6.5	10.6	3.1	5.0	5.2	7.9
W	3.5	17.4	4.9	.2	*	*		26.0	7.9		38.8	33.6	26.9	30.1	17.1	21.4	21.1	25.5
NW	3.0	13.4	2.9	.1	*	*		19.4	7.4		12.6	16.0	17.6	18.6	24.9	25.6	21.5	22.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.0							12.0	.0		6.7	11.6	15.5	9.6	14.3	9.5	12.6	6.9
TOT OBS							9517		6.8		22690	1693	21340	1514	21223	2494	25529	1842
TOT PCT	26.4	57.0	14.8	1.1	.2	*	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	18
N	5.3	2.8	.1	*	*		8.2	6.2	3.3	4.5	13.2	9.7		
NE	3.5	2.3	.2	*	*		6.1	7.2	3.1	5.3	8.8	7.1		
E	1.9	4.1	.4	*	*		9.1	8.8	6.1	6.7	10.6	10.8		
SE	3.2	3.2	.7	.1	*		7.2	8.2	8.3	7.6	5.2	7.8		
S	2.7	1.8	.2	*	*		4.7	6.8	7.5	4.9	2.5	4.0		
SW	4.1	2.9	.2	*	*		7.2	6.9	13.4	6.8	3.4	5.4		
W	11.9	13.1	.9	*	*		26.0	7.9	38.4	27.1	17.6	21.4		
NW	9.8	9.1	.4	*	*		19.4	7.4	12.8	18.0	24.9	21.6		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	12.0						12.0	.0	7.1	15.1	13.7	12.3		
TOT OBS						98517		6.8	24373	22854	23919	27371		
TOT PCT	56.3	39.3	3.7	.5	.1	100.0			100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1952-1976
(COVER-ALL) 1961-1979

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AREA CODE ACAPLCC SOLT
15.74 98.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	7.1	12.4	40.0	18.8	1.5	.2			7.7	100.0	74373
0400	15.1	13.0	55.4	14.8	1.2	.2			6.6	100.0	22854
1200	13.7	15.0	57.4	12.4	1.2	.2			6.4	100.0	23916
1800	12.3	17.6	55.2	13.2	1.4	.2			6.5	100.0	27371
TOT									6.8		98517
PCT	12.0	14.6	57.0	14.8	1.3	.2			100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	4.0	1.8	1.8	.8	3.4	
NE	2.4	1.2	1.5	.8	3.6	
E	2.5	1.7	2.4	2.0	4.2	
SE	1.6	1.4	2.5	1.7	4.2	
S	1.3	1.0	1.5	.9	3.9	
SW	2.6	1.5	2.0	1.0	3.7	
W	12.4	5.8	5.7	2.2	3.3	
NW	9.4	4.3	4.0	1.4	3.2	
VAR	.0	.0	.0	.0	.0	
CALM	6.4	2.5	2.4	.7	3.0	
TOT OBS					75132	3.5
TOT PCT	42.9	21.3	24.4	11.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, IN 500 FT) AND OCCURRENCE OF NH (500 FT) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CEILING COVER	OCC	150	300	600	1000	2000	3000	5000	6000	8000	NH (500 FT) ANY HGT	TOTAL OBS
N	4.0	1.8	1.8	.8	3.4		0	0	.1	.3	.4	.2	.1	0	0	0	7.2	
NE	2.4	1.2	1.5	.8	3.6		0	0	.1	.3	.4	.2	.1	0	0	0	4.6	
E	2.5	1.7	2.4	2.0	4.2		.1	.1	.2	.7	1.0	.4	.2	.1	0	0	6.3	
SE	1.6	1.4	2.5	1.7	4.2		.1	.1	.2	.7	.8	.3	.1	.1	0	0	4.8	
S	1.3	1.0	1.5	.9	3.9		0	0	.1	.3	.5	.2	.1	0	0	0	3.5	
SW	2.6	1.5	2.0	1.0	3.7		.1	0	.1	.4	.5	.2	.1	0	0	0	5.4	
W	12.4	5.8	5.7	2.2	3.3		.1	0	.2	.8	1.3	.6	.3	.1	.1	.1	22.7	
NW	9.4	4.3	4.0	1.4	3.2		0	0	.1	.5	.6	.4	.2	.1	.1	.1	16.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.4	2.5	2.4	.7	3.0		0	0	.3	.5	.7	.1	0	0	0	.1	10.8	
TOT OBS					75132													75132
TOT PCT	42.9	21.3	24.4	11.4	100.0		.5	.3	1.0	4.3	6.3	2.7	1.2	.4	.2	.1	87.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH 500 FT) AND VISIB (SM)

CEILING (FEET)	≥ CP ≥10	≥ CG ≥5	≥ CR ≥2	VISIB (SM)				≥ CR ≥1/2	≥ CR ≥1/4	≥ CR ≥1/8	≥ CR ≥1/16	≥ CR ≥1/32	≥ CR ≥1/64
				≥ CR ≥1	≥ CR ≥1/2	≥ CR ≥1/4	≥ CR ≥1/8						
≥ CR ≥6500	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
≥ CR ≥5000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ CR ≥3500	1.4	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ CR ≥2000	4.3	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
≥ CR ≥1000	9.4	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
≥ CR ≥600	12.4	14.8	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
≥ CR ≥300	12.9	15.6	16.2	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
≥ CR ≥150	13.0	15.8	16.4	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
≥ CR ≥ 0	13.2	16.2	16.8	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2

TOTAL NUMBER OF OBS: 77369

PCT FREQ NH (500 FT): 82.8

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
22.6	21.2	18.0	12.6	4.0	4.5	4.4	3.3	5.1	.3	81772

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1961-1976

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AREA DEDY ACAPULCO SOUTH
15.74 98.96

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
1/2-1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
2-5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
5-10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (MP)	WIND SPEED	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
1/2-1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
2-5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
5-10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													
TOT PCT													

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/6) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.3	.2	.7	3.2	5.1	2.5	1.0	.4	.3	.3	13.9	86.1	20672
06009	.8	.2	1.1	4.6	6.6	2.8	1.1	.3	.2	.3	16.1	81.9	18552
12015	.6	.3	1.4	5.4	7.2	2.6	1.2	.4	.2	.4	19.8	80.2	19239
18021	.4	.3	.8	3.5	5.5	2.4	1.3	.4	.3	.3	15.2	84.8	22245
TOT													80708
PCT	.5	.2	1.0	4.1	6.0	2.6	1.2	.4	.2	.3	16.6	83.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.1	.2	.9	5.3	93.3	24210
06009	.2	.1	.3	1.4	8.7	89.2	23252
12015	.2	.1	.5	1.7	9.4	88.1	24012
18021	.2	.1	.3	1.1	6.1	92.2	27500
TOT							98074
PCT	.2	.1	.3	1.3	7.3	90.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/6) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.3	1.3	5.0	9.7	85.4	19835
06009	.8	2.3	7.7	11.5	80.9	17767
12015	.6	2.5	8.8	12.0	79.2	18474
18021	.4	1.6	5.6	10.3	84.0	21349
TOT						77364
PCT	.5	1.9	6.7	10.8	82.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
90/94	.0	.0	.0	.3	1.1	.5	.1	.0	2.1	.2
85/89	.0	.0	.0	.4	4.6	11.0	2.9	.5	19.6	.2
80/84	.0	.0	.1	.5	6.6	28.4	22.6	3.8	61.9	.7
75/79	.0	.0	.0	.1	.6	4.4	6.6	4.1	15.7	.2
70/74	.0	.0	.0	.0	.0	.1	.2	.3	.6	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									76846	100.0
PCT	.0	.0	.1	1.2	13.0	44.5	32.4	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.1	.2	.1	.1	.1	.6	.5	.0	.2
85/89	1.3	.9	1.5	1.5	1.0	1.6	5.7	3.8	.0	2.2
80/84	5.1	3.7	5.6	4.4	2.9	4.4	16.3	11.8	.0	7.7
75/79	1.6	1.3	1.9	1.1	.7	.9	3.3	3.0	.0	2.0
70/74	.1	.1	.1	.0	.0	.0	.1	.1	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.4	6.1	9.2	7.2	4.7	7.0	26.0	19.2	.0	12.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	97	90	88	83	79	76	64	75.4	24736
06009	97	86	84	81	78	75	65	81.4	23453
12015	96	85	84	81	76	74	67	80.5	24134
18021	98	92	89	84	79	76	64	83.9	27916
TOT	98	90	87	82	78	75	64	77.4	100911

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	17.3	51.3	24.5	5.5	76	19902		
06009	.0	.5	6.0	42.0	41.1	10.5	80	19008		
12015	.0	.4	4.4	35.3	45.4	14.5	82	19236		
18021	.0	2.9	22.6	48.8	20.3	5.4	75	21312		
TOT	.0	10.3	10092	35257	25966	7100	78	19458		

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1861-1979

ANNUAL

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	61 64	62 68	64 72	73 76	77 80	81 84	85 88	89 92	>92	TOT FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.	.	.	.	6	.0
14/16	.0	.0	.0	.0	.0	.	.	.	.	58	.1
11/13	.0	.0	.0	.0	.	.1	.1	.	.1	204	.2
9/10	.0	.0	.0	.0	.	.1	.1	.1	.1	383	.4
7/8	.0	.0	.0	.	.1	.2	.3	.4	.1	963	1.1
6	.0	.0	.0	.	.1	.2	.3	.3	.	805	.9
5	.0	.0	.0	.	.1	.4	.7	.5	.	1519	1.8
4	.0	.0	.0	.	.1	.8	1.2	.5	.	2358	2.7
3	.0	.0	.	.	.2	.8	1.6	.4	.	2603	3.0
2	.0	.0	.	.	.4	2.7	2.7	.3	.	5251	6.1
1	.0	.0	.	.	.5	3.1	2.8	.1	.	5602	6.5
0	.0	.0	.	.1	1.4	8.1	3.5	.1	.	11325	13.2
-1	.0	.0	.	.1	1.7	7.9	2.4	.	.0	10444	12.1
-2	.0	.0	.	.1	3.3	10.4	1.3	.	.0	13064	15.1
-3	.0	.0	.	.1	3.3	6.8	.6	.	.0	9392	10.9
-4	.0	.0	.	.3	4.1	5.6	.3	.	.0	8762	10.1
-5	.0	.	.	.3	3.2	2.9	.2	.0	.0	5633	6.5
-6	.0	.0	.	.3	2.3	1.1	.	.0	.0	3275	3.8
-7/-8	.0	.0	.	.6	2.3	.7	.	.0	.0	3178	3.6
-9/-10	.0	.	.	.5	.6	.1	.	.0	.0	1101	1.3
-11/-13	.0	.	.	.2	.1	.	.0	.0	.0	369	.4
-14/-16	.0	.	.	.	.	.	.0	.0	.0	53	.1
-17/-19	.	.	.	.	.	.	.0	.0	.0	8	.
-20/-22	.0	.	.0	.	.0	.0	.0	.0	.0	2	.0
TOTAL										86298	
PCT	.	.	.1	2.6	23.8	52.0	18.1	2.9	.3	100.0	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	1.0	1.6	.	.0	.0	.0	2.7	.6	1.1	.	.	.0	.0	1.7
1-2	.6	3.1	.2	.0	.0	.0	3.9	.3	2.1	.2	.0	.0	.0	2.6
3-4	.1	.6	.3	.	.0	.0	1.2	.1	.8	.3	.	.0	.0	1.2
5-6	.0	.2	.1	.	.	.0	.3	.	.1	.2	.	.	.0	.4
7	.0	.	.	.	.0	.0	.1	.0	.	.1	.	.0	.0	.1
8-9	.0	.	.	.0	.0	.0	.	.0	.	.	.	.0	.0	.
10-11	.0	.0	.	.0	.0	.0	.	.0	.0	.	.	.0	.0	.
12	.0	.0	.0	.0	.0	.0	.	.0	.0	.	.	.0	.0	.
13-16	.0	.0	.	.	.0	.0	.	.0	.0	.0	.	.	.0	.
17-19	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
TOT PCT	1.7	5.7	.8	.	.	.0	8.2	1.0	4.1	.9	.1	.	.0	6.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.6	1.1	.	.0	.0	.0	1.7	.4	.9	.	.0	.0	.0	1.3
1-2	.3	.	.6	.0	.0	.0	3.5	.4	2.2	.4	.	.0	.0	3.0
3-4	.1	.	1.1	.	.0	.0	2.3	.1	.9	.8	.	.0	.0	1.8
5-6	.	.2	.6	.1	.	.0	1.0	.	.2	.5	.1	.	.	.8
7	.0	.1	.3	.1	.0	.0	.5	.0	.1	.2	.1	.	.0	.3
8-9	.0	.	.1	.1	.	.0	.2	.0	.	.1	.	.	.0	.1
10-11	.0	.0	.	.1	.	.	.1	.0	.0	.	.	.	.0	.1
12	.0	.0	.	.	.	.0	.	.0	.0	.	.	.0	.0	.
13-16	.0	.0	.	.	.	.0	.1	.0	.0	.0	.	.	.0	.
17-19	.0	.0	.	.	.	.0	.	.0	.0	.0	.	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.	.0	.
33-40	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.
TOT PCT	.9	5.1	2.6	.5	.1	.	9.2	.9	4.2	2.0	.3	.1	.0	7.5

PERIOD: (OVER-ALL) 1963-1979

ANNUAL
TABLE 18 (CONT)

ARFA 0007 ACAPULCO SOUTH
15.7N 98.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+		
<1	.4	.6	.0	.0	.0	.0	.5	1.1	.0	.0	.0	.0	1.7	
1-2	.3	1.5	.2	.0	.0	.0	.5	2.7	.3	.0	.0	.0	3.5	
3-4	.0	.6	.2	.0	.0	.0	.1	.7	.4	.0	.0	.0	1.2	
5-6	.0	.1	.1	.0	.0	.0	.0	.2	.2	.0	.0	.0	.4	
7	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	3.1	.0	.1	.0	.0	1.0	4.8	1.0	.1	.0	.0	6.9	

HGT	S						SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33	34-47	48+		
<1	1.5	4.0	.1	.0	.0	.0	1.3	3.2	.1	.0	.0	.0	4.6	
1-2	1.1	9.7	1.7	.0	.0	.0	1.0	8.0	1.3	.0	.0	.0	10.2	
3-4	.1	3.5	2.1	.0	.0	.0	.1	2.5	1.3	.0	.0	.0	3.9	
5-6	.0	.5	.9	.1	.0	.0	.0	.4	.5	.0	.0	.0	.9	
7	.0	.1	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.2	
8-9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	17.9	5.3	.2	.0	.0	2.5	14.1	3.2	.1	.0	.0	19.9	58.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.3	13.7	.3	.0	.0	.0	32.3	
1-2	5.4	31.3	4.8	.0	.0	.0	41.4	
3-4	.8	17.7	6.3	.2	.0	.0	17.9	
5-6	.1	1.8	3.0	.4	.0	.0	5.3	
7	.0	.4	1.0	.4	.0	.0	1.9	
8-9	.0	.1	.3	.2	.0	.0	.6	
10-11	.0	.0	.1	.1	.0	.0	.3	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.6	58.0	15.8	1.3	.2	.0	100.0	19626

PERIOD: (OVER-ALL) 1979-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61	70	71-86	87+	TOTAL	PEAK HGT
<6	8.3	20.8	14.3	4.4	1.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33715	2
6-7	.2	2.7	6.7	5.0	1.9	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12444	4
8-9	.1	1.1	2.6	2.3	1.2	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4002	5
10-11	.0	.9	1.1	.9	.5	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2761	5
12-13	.0	.0	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1188	5
>13	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	513	7
INDET	10.7	2.1	2.2	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10981	1
TOTAL PCT	19.3	27.7	27.7	14.4	5.9	2.6	1.2	.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1861-1979

AREA 0007 ACAPULCC SOUTH
15.7N 98.9W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TWP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	C	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91/92	.1	.1	.1	.3	.4	.5	.5	.8	.3	.4	.2	.1	304	.3
89/90	.2	.2	.4	1.1	3.0	3.0	2.7	4.2	2.9	2.4	1.1	.7	1764	1.9
87/88	1.4	1.4	1.9	4.5	13.4	14.6	15.0	20.2	15.3	11.7	8.8	3.8	8928	9.6
85/86	9.5	8.3	10.3	19.4	31.9	36.9	39.0	40.8	35.3	36.1	32.3	18.7	25050	27.1
83/84	30.2	28.7	28.6	30.6	28.5	28.6	30.2	25.3	30.3	32.2	33.5	34.7	27641	29.9
81/82	38.1	40.6	35.7	29.4	16.6	12.5	10.3	9.6	13.0	13.3	17.5	27.8	19874	21.5
79/80	12.9	14.0	14.9	10.0	5.9	2.5	1.5	1.0	1.9	2.5	4.0	4.5	5810	6.3
77/78	4.4	4.1	5.0	2.9	1.3	.9	.4	.5	.6	.9	1.2	2.6	1852	2.0
75/76	1.6	1.3	1.6	1.1	.5	.2	.2	.3	.4	.3	.6	1.3	694	.7
73/74	.9	.7	.9	.4	.2	.1	.2	.0	.1	.1	.3	.9	341	.4
71/72	.5	.5	.2	.2	.1	.1	.0	.0	.0	.1	.2	.5	167	.2
69/70	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	.1
67/68	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	7233	7351	7782	7708	1657	8135	8163	8023	7889	7909	7342	6693	92547	100.0
MEAN	82.0	81.9	82.0	82.9	84.3	84.7	84.8	85.3	84.7	84.5	84.0	82.8	83.6	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1011	1012	1013	1011	1013	1013	1014	1011	1013	7263
FEB	1011	1012	1013	1012	1012	1013	1014	1012	1012	7284
MAR	1010	1011	1013	1011	1012	1013	1013	1011	1012	8054
APR	1010	1011	1012	1010	1011	1012	1012	1011	1011	7936
MAY	1009	1010	1012	1009	1011	1011	1012	1010	1011	8979
JUN	1009	1010	1012	1009	1010	1011	1011	1010	1011	8470
JUL	1010	1011	1013	1010	1011	1012	1012	1011	1012	8441
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	4377
SEP	1009	1010	1011	1009	1010	1011	1011	1010	1011	8235
OCT	1010	1010	1012	1010	1011	1011	1012	1009	1011	8201
NOV	1011	1012	1013	1011	1012	1012	1013	1011	1012	7505
DEC	1011	1012	1013	1011	1012	1013	1013	1011	1012	6872
ANN	1010	1011	1012	1010	1011	1012	1012	1011	1012	95687
OBS	22194	1076	21154	1446	21023	2057	25015	1718		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	996	1007	1009	1011	1013	1014	1016	1018	1025
FEB	1006	1006	1009	1011	1013	1014	1016	1018	1024
MAR	998	1005	1008	1010	1012	1013	1015	1017	1023
APR	997	1006	1008	1010	1011	1013	1015	1016	1022
MAY	998	1003	1007	1009	1011	1012	1014	1016	1021
JUN	997	1003	1007	1009	1011	1012	1014	1016	1023
JUL	994	1004	1008	1010	1012	1013	1015	1016	1024
AUG	995	1004	1008	1010	1012	1013	1015	1016	1023
SEP	994	1003	1007	1009	1011	1012	1014	1015	1021
OCT	995	1003	1007	1010	1011	1012	1014	1016	1021
NOV	997	1005	1008	1011	1012	1013	1015	1017	1023
DEC	997	1006	1009	1011	1013	1014	1016	1017	1021

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1867-1979

JANUARY

AREA: GULF OF MEXICO
14-15N 94-15W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	HALE	PCPN AT	PCPN PAST	THDP	FOG	FOG AC	SMOKE	SPRAY
								OR TIME	HOURL	LINE	NO	PCPN	HALE	BLDG DUST
											PCPN	PAST H		NO
N	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	6717													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	HALE	PCPN AT	PCPN PAST	THDP	FOG	FOG AC	SMOKE	SPRAY
								OR TIME	HOURL	LINE	NO	PCPN	HALE	BLDG DUST
											PCPN	PAST H		NO
0000	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0600	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1800	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	6944													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	WIND DIRECTION							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	2.5	17.2	9.6	6.3	7.7	.0	32.2	16.6	30.1	33.2	45.7	47.6	33.4	35.2	37.8	36.1	
NE	1.5	6.8	6.1	4.1	1.4	.3	26.3	16.1	19.7	22.3	27.7	18.9	17.9	27.6	25.9	24.4	
E	1.2	3.9	2.2	.7	.1	.0	8.2	10.0	9.2	4.2	4.9	6.7	7.5	1.5	2.9	8.9	
SE	.7	1.7	.5	.0	.0	.0	2.8	9.5	3.1	4.9	5.1	4.7	4.4	1.1	2.8	1.1	
S	.4	1.3	.7	.0	.0	.0	2.0	6.7	3.1	1.2	2.2	1.7	1.3	.7	1.7	1.7	
SW	.5	1.7	.3	.0	.0	.0	2.5	6.8	3.4	2.2	3.4	2.7	1.7	1.6	1.6	2.4	
W	1.5	4.6	.4	.0	.0	.0	6.9	9.9	6.2	9.8	7.6	4.5	7.0	5.7	5.6	3.2	
NW	7.2	7.8	3.3	1.2	.5	.0	15.0	10.9	14.7	12.9	13.6	17.9	11.7	14.4	15.0	14.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.1						10.1	.0	6.1	12.2	14.6	16.9	11.7	8.1	6.5	6.9	
TOT OBS	1570	1702	927	352	62	7454	106.0	12.1	16.9	14.7	15.9	20.1	14.2	22.1	14.5	23.1	
TOT PCT	21.0	39.1	22.4	12.4	4.7	.9	100.0		11.0	10.0	10.0	10.0	11.0	10.0	10.0	10.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	WIND DIRECTION			
	0-6	7-16	17-27	28-47				00	03	12	18
N	7.5	10.9	8.1	4.4	1.3	32.2	16.6	30.1	33.2	45.7	37.8
NE	4.9	7.2	5.7	2.8	.5	26.3	16.1	19.7	22.3	27.7	25.9
E	3.1	3.5	1.1	.3	.1	8.2	10.0	9.2	4.2	4.9	1.5
SE	1.4	.9	.1	.0	.0	2.8	9.5	3.1	4.9	5.1	1.1
S	1.3	.6	.0	.0	.0	2.0	6.7	3.1	1.2	2.2	.7
SW	1.4	1.1	.0	.0	.0	2.5	6.8	3.4	2.2	3.4	1.7
W	4.1	2.6	.2	.0	.0	6.9	9.9	6.2	9.8	7.6	5.7
NW	6.0	6.1	2.7	.8	.1	15.0	10.9	14.7	12.9	13.6	17.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.1					10.1	.0	6.1	12.2	14.6	16.9
TOT OBS	2997	2446	1236	630	150	7454	12.1	16.9	14.7	15.9	20.1
TOT PCT	40.2	32.8	16.6	8.4	2.1	100.0		11.0	10.0	10.0	10.0

AREA PCBs GULF OF TEHUANTEPEC
14.1h 94.9h

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CHT)

CCTA	CCTP	1-3	4-17	SPEEL (P=0.015)			CCTA	PCT	TOTAL
				11-21	22-33	34-47			
67673	645	1044	4130	2246	1214	444	1200	17300	1815
62639	1467	1144	3645	2646	1044	447	1114	17000	1755
62639	1147	1144	3747	2247	1146	444	1414	117400	1674
1-27	645	1144	1747	2846	1446	544	1547	17000	2216
1-27	745	1144	2847	1702	927	544	1247	17000	7459
PCT	1401	1044	2847	2246	1246	447	1247	17000	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, IN) 24/8
A.2 OCCURRENCE OF 4M (5/8 BT WIND DIRECTION

AND DIS	C-7	3-4	5-7	6 & 0USC*	TOTAL CLOSURE CDS	MEAN CLOSURE COVER										TOTAL CDS
						100 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 6499	6500 7999	8000+ AM MGT	ANY C5/8	
N	21.6	3.6	2.1	.1	1.7	.0	.0	.2	.3	.2	.1	.0	.0	.0	31.4	
W	15.7	2.2	1.4	.2	1.2	.0	.0	.1	.2	.1	.0	.1	.0	.0	18.9	
E	6.2	1.7	.6	.1	1.6	.0	.0	.0	.1	.1	.0	.0	.0	.0	7.9	
SF	2.1	.5	.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
S	1.5	.4	.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
SW	1.9	.4	.1	.1	1.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.5	
W	5.5	1.1	.5	.1	1.5	.0	.0	.1	.2	.1	.0	.0	.0	.0	6.9	
SW	12.0	1.5	1.1	.1	1.7	.0	.0	.1	.2	.1	.0	.0	.0	.0	14.3	
W	7.0	.5	.0	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	
CALW	3.3	.4	.2	.2	1.1	.0	.0	.0	.1	.2	.1	.0	.0	.0	9.6	
101 OLS	44.2	6.7	3.9	.7	55.7	15	0	6	40	79	45	18	4	4	5355	
101 PCL	70.2	11.6	7.1	1.4	93.0	23	0	11	7	146	173	11	1	1	9900	

CUMULATIVE OCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (RM 24/8) AND /SBY (RM)

CELLING (FEET)	FSEY (FAM)							
	± ON 210	± ON 205	± ON 202	± ON 201	± ON 2102	± ON 2104	± ON 2500D	± ON 20
± ON 2650C	±2	±2	±2	±2	±2	±2	±2	±2
± ON 2650D	±3	±2	±2	±2	±2	±2	±2	±2
± ON 2650E	±7	±7	±7	±7	±7	±7	±7	±7
± ON 2650F	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
± ON 2650G	2.6	2.6	2.9	2.5	2.9	2.9	2.9	2.9
± ON 2650H	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6
± ON 2650I	3.4	3.7	3.6	3.6	3.6	3.6	3.6	3.6
± ON 2650J	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
± ON 2650K	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
± ON 2650L	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
± ON 2650M	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
TOTAL	201	218	223	224	224	224	224	231

FCI FR(C: YH C5/A: 96.C

PF-CLNTAGF FREE OF LOW CLOUDS (EIGHTHMS)

1	2	3	4	5	6	7	8	9	TOTAL OBS
56.3	22.2	9.7	4.9	2.6	1.4	1.1	0	0.7	6000

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1967-1979

JANUARY

AREA: GULF OF TENQUANTEPEC
14.1N 94.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL Obs
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	2.1	1.4	.3	.1	.1	.1	.2	.5	.7	.5	5.3	5.3
	TOT %	2.1	1.4	.3	.1	.1	.1	.2	.5	.7	.5	5.3	5.3
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	29.7	16.7	7.9	2.7	2.0	2.5	6.6	14.3	10	9.3	93.9	93.9
	TOT %	29.7	16.7	7.9	2.7	2.0	2.5	6.6	14.3	10	9.3	93.9	93.9
TOT Obs													676
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL Obs
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	2.7	1.4	1.1	.6	.4	.5	1.4	2.0	.0	9.5	19.6	19.6
	4-10	9.9	6.4	3.8	1.7	1.3	1.7	4.4	7.5	.0	36.6	36.6	36.6
	11-21	9.3	5.8	2.2	.2	.3	.8	3.1	1.0	.0	22.0	22.0	22.0
TOT Obs	0-3	12.0	5.1	2.8	.8	.7	.8	2.5	3.5	.0	15.5	15.5	15.5
	4-10	29.7	16.7	7.8	2.6	1.9	2.4	6.7	14.2	.0	93.9	93.9	93.9
	11-21	29.7	16.7	7.8	2.6	1.9	2.4	6.7	14.2	.0	93.9	93.9	93.9
TOT Obs													721
TOT PCT													100.0

JANUARY

PERIOD (PRIMARY) 1957-1970
(EXCLUDED) 1967-1970AREA 0576 GULF OF TENHUANTEPEC
14.1N 94.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/AM) AND
OCCURRENCE OF AM 5/8 BY HOUR

HOUR (GMT)	00L 149	15L 209	30L 299	60L 399	100L 1999	200L 3499	300L 4999	500L 6499	650L 7999	700L+	TOTAL	AM 5/8 ANY 1G1	TOTAL OBS
0000Z	.1	.0	.2	.4	.6	.6	.1	.1	.1	.1	3	5.4	1567
0600Z	.3	.0	.1	.4	.6	.7	.1	.1	.1	.2	3.3	5.7	1375
1200Z	.4	.0	.1	.7	2.4	.7	.7	.1	.1	.1	5.4	5.6	1347
1800Z	.2	.0	.1	.9	1.5	.5	.3	.2	.1	.1	4.2	5.4	1686
TOT	15	0	7	44	79	45	14	8	6	8	231	37.4	5975
PCI	.3	.0	.1	.7	1.3	.8	.3	.1	.1	.1	3.7	5.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.1	.7	.4	4.1	95.1	1841
0600Z	.3	.0	.1	.6	6.3	92.3	1756
1200Z	.4	.1	.2	.8	6.1	94.4	1676
1800Z	.2	0	.2	.4	4.5	94.4	2160
TOT	19	3	11	41	407	6454	7433
PCI	.3	0	.1	.6	5.4	93.6	100.0

TABLE 12

CUMULATIVE PER FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET/AM) 5/8 BY HOUR

HOUR (GMT)	<150 5530G	<600 C1	<1000 C5	100L+ A1C5+	AM 5/8 AND 5+	TOTAL OBS
0000Z	.1	.3	1.1	2.0	96.6	1508
0600Z	.3	.4	1.6	2.2	96.2	1334
1200Z	.5	.6	2.0	4.2	93.7	1297
1800Z	.2	.4	1.6	3.0	95.4	1619
TOT	15	24	91	153	7504	5756
PCI	.2	.4	1.6	7.4	95.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCI FREQ
50/79	.0	.0	0	.1	.2	.7	0	.7	22	.4
65/89	.0	.0	.1	.4	1.3	1.4	.2	.1	204	3.7
80/94	.1	0	.1	1.4	6.6	17.4	9.6	1.4	2012	36.5
75/79	.0	.0	.1	.5	2.9	15.2	16.4	7.8	2550	45.3
77/74	.0	.0	.1	.1	1.1	3.7	4.3	3.6	708	12.5
65/65	.0	.0	.1	.0	.1	.5	.7	.8	85	1.5
67/64	.0	.0	.1	.0	.0	0	.0	.0	1	.0
TOTAL	0	1	16	11.9	98.9	215.1	150.1	75.9	5643	100.0
PCI	.0	0	.3	2.1	12.2	38.7	33.7	13.5		

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	CB	CALM
50/79	0	.1	.1	0	0	0	0	.1	.0	.0
65/89	.0	.4	.4	.2	0	.2	.4	.8	.0	.1
80/94	4.6	6.6	3.7	1.4	1.2	1.4	3.6	6.1	.0	3.8
75/79	15.5	9.4	3.6	.4	.8	1.0	2.7	6.4	.0	4.8
77/74	5.6	3.2	.0	.3	.1	.2	.2	1.3	.0	1.0
65/65	1.0	.3	.0	.0	0	0	.0	.2	.0	.0
67/64	0	.0	.0	.0	0	.0	.0	.0	.0	.0
TOTAL	31.7	20.0	6.4	2.4	2.1	2.6	7.2	14.9	.0	10.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	51	47	44	39	32	64	54.0	1655
0600Z	51	43	41	35	28	65	47.1	1807
1200Z	47	43	41	35	28	66	47.0	1695
1800Z	44	44	40	32	24	62	44.7	2254
TOT	44	47	44	39	32	62	44.3	7411

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	2.6	15.4	42.6	30.3	9.4	77	1503		
0600Z	.0	1.8	6.6	35.5	38.6	14.6	81	1350		
1200Z	.0	1.0	6.5	35.4	40.0	18.2	92	1331		
1800Z	.0	3.6	17.6	42.0	28.4	6.0	77	1644		
TOT	0	15	70.2	219	1976	792	79	5828		

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1962-1979

JANUARY

TABLE 17

AREA CODE: GULF OF MEXICAN/PEC
14-14 94-94

PERCENT OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	61 54	65 58	69 72	73 76	77 80	81 84	85 88	89 92	92 95	FOG F/C	FOG F/C
20/22	.3	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
19/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
11/13	.0	.0	.0	.0	.1	.1	.2	.0	.1	26	.4
9/10	.0	.0	.0	.1	.2	.2	.1	.0	.0	47	.7
7/8	.0	.0	.0	.1	.4	.7	.4	.1	.0	117	1.8
6	.0	.0	.0	.3	.4	.4	.3	.0	.0	94	1.5
5	.0	.0	.1	.3	.4	.4	.3	.0	.0	159	2.5
4	.0	.0	.1	.5	1.7	1.4	.4	.0	.0	272	4.3
3	.0	.0	.0	.2	.9	1.5	1.4	.0	.0	274	4.3
2	.0	.0	.0	.4	1.2	2.5	2.5	.0	.0	455	7.1
1	.0	.0	.0	.4	1.5	2.6	2.3	.0	.0	456	7.2
0	.0	.1	.0	2.2	6.0	6.9	6.9	.0	.0	845	12.7
-1	.0	.0	.0	1.8	5.3	5.3	5.3	.0	.0	659	11.0
-2	.0	.0	.1	1.7	7.2	2.6	.0	.0	.0	782	12.5
-3	.0	.0	.0	1.6	5.5	1.5	.0	.0	.0	562	8.9
-4	.0	.0	.1	.5	1.6	4.7	.4	.0	.0	495	7.8
-5	.0	.0	.1	.5	1.6	3.2	.5	.0	.0	369	5.9
-6	.0	.0	.1	.3	1.4	1.6	.1	.0	.0	213	3.4
-7/-8	.0	.2	.5	1.2	1.5	.1	.0	.0	.0	210	3.3
-9/-10	.0	.1	.4	.4	.3	.0	.0	.0	.0	103	1.6
-11/-13	.0	.0	.2	.4	.3	.1	.0	.0	.0	11	.2
-14/-16	.0	.0	.0	.1	.0	.0	.0	.0	.0	11	.2
TOTAL	3	62	373	1220	2687	1462	27	6	6243	100.0	94.2
PERCENT	1.0	5.6	19.4	45.4	23.7	3.5	.4	.1	100.0	.7	94.2

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PERCENT OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PERCENT	1-3	4-10	11-21	22-33	34-47	48+	PERCENT
0-1	1.5	2.0	.2	.0	.0	.0	3.6	.4	.4	.7	.0	.0	.0	1.5
1-2	.2	.4	2.0	.0	.0	.0	7.0	.5	3.1	1.6	.0	.0	.0	5.2
2-4	.2	2.5	.9	.5	.0	.0	7.1	.1	1.4	2.4	.4	.0	.0	4.6
5-6	.0	.3	2.5	1.8	.5	.0	6.4	.0	.5	2.0	.4	.0	.0	3.7
7	.0	.2	1.8	1.5	.1	.0	5.4	.0	.0	1.3	.1	.0	.0	2.0
8-9	.0	.1	.7	1.8	.5	.0	2.9	.0	.0	.4	.8	.2	.0	1.4
10-11	.0	.0	.3	.6	.6	.1	1.2	.0	.0	.1	.6	.1	.0	1.4
12	.0	.0	.1	.5	.7	.0	.4	.0	.0	.1	.4	.2	.0	.7
13-16	.0	.0	.0	.4	.6	.1	1.0	.0	.0	.0	.3	.2	.0	.6
17-19	.0	.0	.0	.1	.3	.2	.7	.0	.0	.1	.1	.1	.0	.2
20-22	.0	.0	.0	.0	.2	.2	.7	.0	.0	.1	.0	.0	.0	.1
23-25	.0	.0	.0	.1	.1	.0	.7	.0	.0	.0	.0	.2	.0	.2
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PERCENT	1.9	3.1	12.1	7.4	2.4	.2	33.5	1.4	5.5	7.4	4.8	1.2	.2	20.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PERCENT	1-3	4-10	11-21	22-33	34-47	48+	PERCENT
0-1	.5	.7	.7	.0	.0	.0	1.7	.1	.5	.0	.0	.0	.0	.6
1-2	.4	1.4	.6	.0	.0	.0	2.7	.1	.4	.1	.0	.0	.0	.4
2-4	.0	.5	1.4	.1	.0	.0	2.4	.0	.4	.1	.0	.0	.0	.4
5-6	.1	.2	.7	.1	.1	.0	1.1	.0	.2	.1	.1	.0	.0	.2
7	.0	.1	.2	.1	.1	.0	.5	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.1	.2	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PERCENT	.4	3.7	3.2	.5	.2	.0	8.5	.2	1.3	.3	.1	.0	.0	2.1

PERIOD 1960-1961 1963-1974

JANUARY

AREA 0708 GULF OF MEXICO
14.2N 94.9W

TABLE 1b (CONT)

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

SEA HEIGHT (FT)	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
0-1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL PCT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

SEA HEIGHT (FT)	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
0-1	14.1	9.5	.3	.0	.0	.0	24.1	14.1
1-2	4.1	10.8	6.7	.0	.0	.0	21.6	4.1
3-4	.4	1.6	7.4	1.6	.0	.0	11.0	.4
5-6	.2	1.7	6.2	2.6	.0	.0	10.7	.2
7	.0	.5	3.2	3.7	.3	.0	7.7	.0
8-9	.0	.1	1.4	3.0	.7	.0	5.2	.0
10-11	.0	.0	.1	1.8	.7	.0	3.6	.0
12	.0	.0	.2	1.7	.5	.0	3.4	.0
13-16	.0	.0	.0	.4	.4	.1	2.0	.0
17-19	.0	.0	.0	.3	.4	.0	.7	.0
20-22	.0	.0	.0	.0	.4	.1	.5	.0
23-25	.0	.0	.0	.1	.0	.0	.1	.0
26-32	.0	.0	.0	.0	.0	.1	.1	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0
47-50	.0	.0	.0	.0	.0	.0	.0	.0
51-56	.0	.0	.0	.0	.0	.0	.0	.0
57+	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL PCT	14.5	14.2	16.7	13.8	4.4	.4	100.0	126.4

PERIOD 1960-1961 1963-1974

TABLE 1c

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

WAVE PERIOD (SEC)	0-1	1-2	3-4	5-7	8-9	10-11	12-14	15-16	17-19	20-22	23-25	26-32	33-40	41-46	47-50	51-56	57+	TOTAL	MEAN HGT
0-1	5.6	14.4	11.6	5.8	2.2	1.3	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	2122	3
1-2	.1	.5	4.9	7.6	3.7	2.4	1.4	.6	1.0	.2	.1	.0	.0	.0	.0	.0	.0	1048	6
3-4	.1	.3	1.5	2.7	1.7	1.5	1.2	1.0	.8	.2	.1	.0	.0	.0	.0	.0	.0	573	8
5-7	.0	.0	.5	.6	.6	.6	.6	.6	.2	.1	.0	.1	.0	.0	.0	.0	.0	272	9
10-11	.0	.0	.0	.3	.4	.2	.1	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	110	9
12-14	.0	.0	.0	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	11
16-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	723	1
TOTAL	10.0	14.7	14.1	17.7	8.6	2.9	1.3	1.4	5.8	2.7	.4	.3	.0	.0	.0	.0	.0	4968	5
PCT	10.0	14.7	14.1	17.7	8.6	2.9	1.3	1.4	5.8	2.7	.4	.3	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

AREA NO. 6 GULF OF MEXICO
STATION 96000

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER						PHENOMENA		
	RAIN	RAIN SHAF	DRZL	FMZG PCPN	SNOW PCPN	TIME-THAW PCPN	HALE	PCPN AT OBS TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST H	SMOKE	SPRAY	NO SIG
N	.0	.0	.1	.0	.0	.0	.0	.1	.1	0	.1	.1	.1	.1	96.6
NE	.1	.0	0	.0	.0	.0	.0	.1	.1	0	.1	.1	.1	.1	97.7
E	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	97.0
SE	.1	.1	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	97.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	96.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	96.2
W	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	96.3
WV	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	97.0
CALM	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	95.1
TOT PCT	0	0	0	.0	.0	.0	.0	.1	0	0	.1	.1	.1	.1	97.1
TOT OBS:	6711														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER						PHENOMENA		
	RAIN	RAIN SHAF	DRZL	FMZG PCPN	SNOW PCPN	TIME-THAW PCPN	HALE	PCPN AT OBS TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST H	SMOKE	SPRAY	NO SIG
0000	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	97.1
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	97.6
1200	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	96.2
1800	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	97.4
TOT PCT	0	0	0	.0	.0	.0	.0	.1	0	0	.1	.1	.1	.1	97.1
TOT OBS:	6946														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						WIND DIR	HOUR (GMT)					
	0-3	4-10	11-21	22-32	33-47	48+		00	06	12	18	24	21
N	2.6	11.0	7.6	4.4	1.9	.0	27.4	14.8	25.7	14.8	22.4	36.2	27.1
NE	1.6	5.9	4.0	3.0	1.3	.0	16.4	15.8	17.4	24.7	15.3	12.1	15.6
E	1.3	3.8	1.8	.5	.1	0	7.5	10.0	8.1	7.9	7.0	3.7	7.1
SE	.4	2.0	.4	0	.0	.0	3.2	6.3	3.2	2.4	2.9	2.3	2.5
S	.8	1.8	.2	0	0	.0	2.9	6.2	4.1	2.4	3.2	2.4	2.0
SW	.7	2.7	.5	0	0	.0	4.1	7.0	6.1	4.3	5.8	5.0	5.2
W	1.7	7.1	1.4	0	0	0	10.4	7.2	10.9	6.1	12.9	7.5	1.5
WV	2.3	4.2	3.4	.4	.2	0	14.9	9.5	13.7	14.1	14.2	15.3	15.6
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1764	3110	1452	648	265	45	7314	10.4	16.8	12.4	15.93	177	1507
TOT PCT	24.2	42.5	20.3	8.9	3.6	.6	100.0	100.7	100.0	100.0	100.0	100.0	100.0

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)						WIND DIR	HOUR (GMT)					
	0-6	7-16	17-27	28-40	41+	42+		00	06	12	18	24	21
N	9.1	10.0	5.5	3.5	.8	0	27.4	14.8	25.7	14.8	22.4	36.2	27.1
NE	4.5	5.7	3.4	2.2	.6	0	16.4	15.8	17.4	24.7	15.3	12.1	15.6
E	3.7	3.1	.9	.2	.1	0	7.5	10.0	8.1	7.9	7.0	3.7	7.1
SE	2.1	1.0	.1	0	0	0	3.2	6.3	3.2	2.4	2.9	2.3	2.5
S	1.8	1.1	0	0	0	0	2.9	6.2	4.1	2.4	3.2	2.4	2.0
SW	2.3	1.4	.1	0	.0	0	4.1	7.0	6.1	4.3	5.8	5.0	5.2
W	5.8	4.2	.3	0	0	0	10.4	7.2	10.9	6.1	12.9	7.5	1.5
WV	6.9	6.1	1.5	.5	.1	0	14.9	9.5	13.7	14.1	14.2	15.3	15.6
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3428	2402	927	470	111	214	7314	10.4	16.8	12.4	15.93	177	1507
TOT PCT	46.8	32.8	12.4	6.4	1.5	.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

FEBRUARY

AREA PC-8 GULF OF TILMANTPEC
14.1N 94.0E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBT (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS												6693
TOT PCT	27.8	16.8	7.5	5.3	2.9	4.0	10.5	14.9	.0	12.3	100.2	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBT (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7124
TOT PCT	24.1	16.9	7.5	5.3	2.6	4.4	10.0	14.7	.0	12.3	100.0		

PERIOD: 1961-1976 1957-1976
(OCEAN-ALL) 1454-1976

REP-6477

AREA 7078 GULF OF TENJANTEPEL
14.1N 94.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND OCCURRENCE OF AM 45/6 BY HOUR

HOUR (GMT)	000 1-9	15 10-19	30 20-29	45 30-39	60 40-49	75 50-59	90 60-69	100 70-79	115 80-89	130 90-99	145 100-109	160 110-119	175 120-129	190 130-139	TOTAL OBS	AM 45/6	TOTAL OBS
0000	.2	.1	.1	.3	1.1	.7	.5	.4	.0	.1	5.4	94.4	1521				
0600	.1	.0	.1	.3	1.5	.8	.5	.0	.2	.2	3.1	94.9	1455				
1200	.2	.1	.2	1.1	1.8	1.1	.5	.1	.1	.4	5.4	94.2	1426				
1800	.2	.0	.2	.8	1.5	1.1	.6	.0	.1	.1	4.7	94.3	1637				
TOT	12	3	9	16	85	56	31	4	5	17	251	5740	6015				
PCT	.2	.0	.1	.6	1.4	.9	.5	.1	.1	.2	4.2	95.8	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2 0-1/2	1/2-1 1/2-1	1-2 1-2	2-5 2-5	5-10 5-10	10- 10-100	TOTAL OBS
0000	.1	.0	.1	1.0	6.1	92.7	1759
0600	.1	.0	.1	.6	5.5	93.3	1796
1200	.3	.1	.4	1.3	4.4	91.7	1757
1800	.2	.0	.1	.4	6.4	93.3	2070
TOT	15	1	11	55	632	6661	7274
PCT	.2	.0	.2	.7	5.5	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET) AM 45/6 BY HOUR

HOUR (GMT)	<150 0-150	<600 0-600	<1000 0-1000	1000- 1000-5000	AM 45/6	TOTAL OBS
0000	.2	.3	1.3	2.4	94.1	1465
0600	.1	.2	1.2	2.7	94.1	1584
1200	.3	.4	2.4	4.7	93.3	1554
1800	.3	.6	1.5	3.6	94.9	1570
TOT	13	28	93	189	5501	5782
PCT	.2	.5	1.6	3.3	95.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	6-29 6-29	30-59 30-59	60-89 60-89	90-100 90-100	TOTAL OBS	PCT FREQ
60/86	.0	.0	.1	.2	.1	.0
65/89	.0	.0	.0	1.5	1.9	.0
68/84	.0	.0	.7	7.5	19.5	2.1
75/79	.0	.0	.1	5	15.1	17.2
78/76	.0	.0	.2	1.3	3.1	4.1
85/69	.0	.0	.0	.1	.5	.2
90/59	.0	.0	.0	.0	.0	.0
TOTAL	.0	1	14	17	2274	661
PCT	.0	.0	.7	2.1	13.7	47.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
1.0	.5	.4	.3	.2	.2	.6	.8	.0	.5
6.5	5.7	3.4	1.5	1.4	2.3	6.1	6.3	.0	4.8
12.4	7.6	2.4	1.3	1.1	1.0	3.8	6.1	.0	6.1
4.0	2.7	.8	.2	.2	.2	.2	1.1	.0	.9
.7	.4	.0	.0	.0	.0	.0	.1	.0	.1
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.5	17.3	7.6	3.3	2.9	3.6	10.6	24.4	.0	12.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP DEGR F BY HOUR

HOUR (GMT)	MAX	98%	95%	50%	5%	1%	MEAN	TOTAL OBS
0000	93	89	84	79	74	70	85	74.4
0600	88	84	82	75	72	68	84	77.7
1200	87	83	81	76	71	66	84	77.2
1800	85	80	78	73	70	66	80.5	7129
TOT	45	88	85	79	77	69	85	77.8

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-24 0-24	30-59 30-59	60-89 60-89	90-100 90-100	MEAN	TOTAL OBS
0000	.0	2.4	18.1	63.2	28.0	77
0600	.0	1.4	7.4	37.4	37.0	81
1200	.0	1.3	8.2	33.5	41.1	81
1800	.0	4.1	21.6	44.1	26.4	75
TOT	.0	1.9	8.5	23.6	32.0	74

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979AREA: GULF OF TEHUANTEPEC
14.1N 94.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	# FOG	% FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	.1	.0	24	.0	.5
9/10	.0	.0	.0	.0	.2	.3	.2	.2	.0	57	.0	.5
7/8	.0	.0	.1	.2	.7	.6	.3	.3	.0	130	.0	2.1
6	.0	.0	.0	.2	.4	.5	.2	.0	.0	86	.0	1.4
5	.0	.0	.1	.3	.8	.8	.6	.1	.0	171	.0	2.7
4	.0	.1	.2	.5	1.1	1.5	.7	.0	.0	259	.0	4.1
3	.0	.0	.2	.6	1.2	1.2	.7	.0	.0	244	.0	3.9
2	.0	.0	.4	1.1	2.4	3.3	.6	.0	.0	489	.0	7.8
1	.0	.0	.4	1.2	2.4	3.2	.5	.0	.0	486	.0	7.7
0	.0	.1	.5	1.5	5.0	5.1	.3	.0	.0	757	.1	12.5
-1	.0	.1	.4	1.5	5.1	3.8	.1	.0	.0	682	.0	10.9
-2	.0	.0	.4	1.7	7.4	3.8	.0	.0	.0	636	.1	13.3
-3	.0	.0	.3	1.4	5.5	2.1	.0	.0	.0	585	.0	9.3
-4	.0	.0	.0	.3	1.6	.9	.0	.0	.0	484	.0	7.7
-5	.0	.1	.2	1.2	3.3	.6	.0	.0	.0	339	.0	5.4
-6	.0	.0	.2	1.3	1.8	.2	.0	.0	.0	271	.0	3.5
-7/-8	.0	.0	.4	1.7	1.2	.2	.0	.0	.0	218	.0	3.4
-9/-10	.0	.1	.5	.7	.4	.0	.0	.0	.0	102	.0	1.6
-11/-13	.0	.1	.3	.2	.0	.0	.0	.0	.0	31	.0	.6
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
TOTAL	1	38	316	558	1769	287	41	2	6281	100.0	.4	95.6
PCT	.0	.5	5.0	16.9	43.9	28.3	4.6	.7	.0			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	3.1	.2	.0	.0	.0	4.2	<1	.6	1.3	.2	.0	.0	.0	2.3
1-2	1.2	5.1	1.1	.0	.0	.0	7.4	1-2	1.2	2.6	1.4	.0	.0	.0	4.6
3-4	.1	2.3	2.4	.6	.0	.0	5.4	3-4	.1	1.7	2.1	.5	.0	.0	4.3
5-6	.0	.9	1.9	1.1	.2	.0	4.1	5-6	.0	.3	1.3	.7	.2	.0	2.5
7	.0	.0	1.4	1.3	.3	.0	3.0	7	.0	.0	.8	.9	.0	.0	1.8
8-9	.0	.0	.2	1.2	.6	.0	1.9	8-9	.0	.6	.2	.9	.3	.0	1.4
10-11	.0	.0	.2	.6	.4	.0	1.2	10-11	.0	.0	.0	.0	.0	.0	1.1
12	.0	.0	.1	.2	.0	.0	.5	12	.0	.0	.0	.0	.0	.0	.8
13-16	.0	.0	.1	.4	.4	.3	1.1	13-16	.0	.0	.1	.3	.2	.0	.6
17-19	.0	.0	.0	.1	.0	.1	.1	17-19	.0	.0	.0	.0	.2	.0	.3
20-22	.0	.0	.0	.0	.1	.0	.1	20-22	.0	.0	.0	.0	.2	.0	.2
23-24	.0	.0	.0	.0	.1	.0	.1	23-24	.0	.0	.0	.0	.2	.0	.2
26-32	.0	.0	.0	.0	.1	.0	.1	26-32	.0	.0	.0	.0	.1	.2	.3
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	11.4	7.5	5.2	2.4	.4	29.1	TOT PCT	1.5	5.9	6.2	4.2	2.0	.3	20.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.0	.1	.0	.0	.0	1.6	<1	.3	.9	.0	.0	.0	.0	1.1
1-2	.3	1.7	.3	.0	.0	.0	2.3	1-2	.4	1.0	.1	.0	.0	.0	1.4
3-4	.0	.8	1.1	.0	.0	.0	1.9	3-4	.0	.3	.1	.6	.0	.0	.4
5-6	.0	.1	.2	.0	.0	.0	.3	5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.3	.1	.0	.0	.4	7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.1	.0	.1	.0	.1	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.1	.0	.1	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.1	.0	.1	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.7	2.0	.2	.1	.1	7.0	TOT PCT	.6	2.3	.4	.0	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

AREA C-05 GULF OF TEHUANTEPEC
24.1N 94.9W

TABLE 16 (CONT)

FCT FREQ OF WIND SPEED (KTS) AND DIRECTION ALPSJS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.5	.5	.0	.0	.0	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0
1-2	.7	.8	.1	.0	.0	.0	1.6	.2	1.2	.1	.0	.0	.0	.0	1.4
3-4	.0	.2	.1	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.6	.2	.1	.0	.0	3.0	.6	2.4	.4	.1	.0	.0	.0	3.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.7	1.4	.0	.0	.0	.0	2.1	.6	2.1	.0	.0	.0	.0	.0	2.8
1-2	.5	2.8	.4	.0	.0	.0	4.7	.8	3.3	.6	.0	.0	.0	.0	4.6
3-4	.0	.9	.6	.0	.0	.0	1.5	.0	1.4	1.0	.0	.0	.0	.0	2.4
5-6	.0	.2	.0	.0	.0	.0	.4	.0	.2	.8	.1	.0	.0	.0	1.1
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.5	.3	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.3	1.3	.0	.1	.0	8.9	1.4	7.0	1.1	.8	.2	.0	.0	12.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.3	11.1	.4	.7	.0	.0	29.8	055
1-2	5.4	19.1	4.0	.0	.0	.0	28.6	
3-4	.2	7.5	7.3	1.0	.0	.0	16.1	
5-6	.1	1.6	4.4	1.9	.4	.0	6.4	
7	.0	.2	3.1	2.5	.4	.0	6.4	
8-9	.0	.1	.4	2.0	1.0	.0	3.5	
10-11	.0	.0	.5	1.2	1.0	.1	2.6	
12	.0	.0	.1	.7	.4	.1	1.5	
13-16	.0	.0	.1	.7	.3	.1	1.9	
17-19	.0	.0	.0	.1	.1	.1	.4	
20-22	.0	.0	.0	.0	.2	.0	.2	
23-25	.0	.0	.0	.0	.2	.0	.2	
26-32	.0	.0	.0	.0	.1	.1	.3	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	1339
TOT PCT	24.1	39.8	20.6	10.2	4.6	.7	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

FREQ OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.6	16.5	12.2	4.8	2.7	1.3	.8	.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2296	3
6-7	.2	2.5	4.9	5.4	2.9	1.8	1.1	.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	1012	6
8-9	.0	.8	1.0	1.8	1.3	1.1	.9	.4	.7	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	455	8
10-11	.0	.6	.6	.6	.0	.4	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	217	8
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	8
13-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	12
15-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	780	1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4911	4
TOTAL	14.4	17.7	10.3	6.6	4.3	3.1	2.2	1.1	2.1	1.1	.5	.2	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT	14.2	21.2	21.0	14.0	8.3	5.0	3.8	1.8	2.5	1.1	.7	.4	.2	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PPHAWY) 1953-1979
COVER-ALL: 1872-1979

MARCH

AREA NCFB GULF OF TENUANTEPEC
14.1N 94.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WYD DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWP	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LING	FOG W0 PCPN	FOG W0 PCPN PAST H*	SMOKE HAZE	SPRAY BLG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
TOT OBS:	7624														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W0 PCPN	FOG W0 PCPN PAST Hr	SMOKE HAZE	SPRAY BLG DUST	NO SIG WEA
0000	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.3	.1	.4	.3	94.6
0600	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.6	.2	94.9
1200	.2	.1	.1	.0	.0	.0	.0	.3	.2	.5	.9	.0	.0	.1	94.1
1800	.1	.1	.0	.0	.0	.0	.0	.2	.0	.1	.5	.0	.0	.2	95.0
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.2	.6	.0	.0	.2	94.7
TOT OBS:	7689														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	7-10	11-21	22-33	34-47	48+	48+	48+				00	03	06	09	12	15	21
N	2.8	8.3	5.7	3.4	1.1	.2	.2	21.0	13.9	16.9	14.9	16.4	19.3	22.8	23.4	24.5	28.5
NE	1.0	4.3	3.3	1.9	.6	.1	.1	11.0	14.5	10.8	10.5	8.5	10.1	10.4	13.2	13.1	16.2
E	1.0	2.2	1.5	.3	.1	.0	.0	6.0	9.3	6.7	6.6	6.5	5.5	5.5	3.7	6.5	4.9
SE	.7	1.8	.7	.0	.0	.0	.0	2.7	6.0	3.4	2.5	2.8	2.6	1.7	1.5	3.1	3.1
S	1.1	2.4	.3	.1	.0	.0	.0	3.8	6.3	5.4	5.4	4.5	1.8	2.4	3.4	3.4	2.2
SW	1.5	4.6	.6	.0	.0	.0	.0	6.7	6.5	9.4	7.9	7.7	4.3	4.3	5.7	8.0	8.0
W	3.3	12.0	2.3	.0	.0	.0	.0	17.7	7.0	19.1	23.3	19.3	16.4	17.7	15.0	15.5	15.0
NW	2.8	10.7	2.7	.6	.2	.0	.0	17.1	8.3	14.7	12.0	15.4	21.7	16.4	21.0	18.4	15.3
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	13.8							13.8	.0	12.2	16.5	19.0	18.6	15.8	12.1	9.9	6.8
TOT OBS	2296	3684	1328	522	162	23	215	100.0	8.6	18.8	121	1732	210	1656	223	2206	219
TOT PCT	27.9	47.3	16.2	6.4	2.0	.3				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	7-16	17-27	28-40	41+	41+	41+	41+				00	03	06	09	12	15	21
N	7.2	6.8	4.3	2.2	.5			21.0	13.9	16.7	16.7	22.9	24.9				
NE	2.8	4.3	2.6	1.3	.1			11.0	14.5	10.8	8.6	10.8	13.4				
E	2.8	2.4	.7	.1	.0			6.0	9.3	6.1	6.4	5.3	6.3				
SE	1.8	.9	.0	.0	.0			2.7	6.0	3.4	2.5	1.7	3.1				
S	2.5	1.3	.0	.0	.0			3.8	6.3	5.4	4.2	2.5	3.1				
SW	4.1	2.5	.1	.0	.0			6.7	6.5	9.4	7.9	7.7	4.3				
W	9.4	7.8	.4	.0	.0			17.7	7.0	19.3	23.3	19.3	16.4				
NW	9.1	6.4	1.2	.4	.0			17.1	8.3	14.7	12.0	15.4	21.7				
VAP	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0				
CALM	13.8							13.8	.0	12.2	16.5	19.0	18.6				
TOT OBS	4414	2649	767	331	54	8715		100.0	8.6	18.8	121	1732	210	1656	223	2206	219
TOT PCT	53.7	32.2	9.3	4.0	.7					100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1455-1474
(OVERALL) 1472-1479

AREA OF: GULF OF GUANAJUATO
14.14 94.94

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-5	6-10	11-20	21-30	31-40	41-50			
0000	12.5	15.0	44.8	15.3	6.2	1.6	.5	8.6	170.0	1969
0500	16.9	13.3	46.8	15.9	4.9	1.6	.2	7.7	100.0	1942
1000	15.3	12.5	46.7	17.5	6.1	1.9	.2	8.6	170.0	1879
1500	9.4	15.4	46.9	17.7	7.7	2.4	.2	9.3	170.0	2426
TOT	1136	1156	3964	1320	522	104	25	8.6		6215
PCT	13.6	14.1	47.3	16.2	6.4	2.0	.3		170.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
F	15.3	5.1	2.2	.5		1.7
NE	7.8	1.4	1.1	.4		1.7
E	4.5	.9	.6	.2		1.6
SE	1.7	.4	.4	.1		2.3
S	2.6	.5	.5	.2		2.0
SW	4.4	1.2	.7	.2		2.6
W	12.1	3.9	1.9	.3		1.9
NW	11.4	3.1	1.4	.4		1.9
T	.0	.0	.3	.0		.7
CALM	17.3	2.0	1.3	.3		1.5
TOT OBS	4372	1032	650	150	6221	1.9
TOT PCT	70.3	16.6	10.6	2.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM, 24/8)
BY OCCURRENCE OF WIND DIRECTION

B. 1110 OBSERVATION																		
WIND DIR		0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER	0-2	1-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	TOTAL	
F		15.3	5.1	2.2	.5		1.7	.1	.0	.0	.2	.3	.7	.1	.1	.0	20.1	
NE		7.8	1.4	1.1	.4		1.7	.0	.0	.0	.2	.1	.1	.0	.0	.0	10.1	
E		4.5	.9	.6	.2		1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	5.8	
SE		1.7	.4	.4	.1		2.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	2.4	
S		2.6	.5	.5	.2		2.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	3.7	
SW		4.4	1.2	.7	.2		2.6	.0	.0	.0	.1	.1	.1	.0	.0	.0	6.1	
W		12.1	3.9	1.9	.3		1.9	.0	.0	.1	.2	.3	.2	.1	.0	.0	17.2	
NW		11.4	3.1	1.4	.4		1.9	.0	.0	.0	.2	.2	.1	.1	.0	.0	15.8	
T		.0	.0	.3	.0		.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM		17.3	2.0	1.3	.3		1.5	.1	.0	.0	.1	.1	.1	.0	.0	.0	13.2	
TOT OBS		4372	1032	650	150	6221	1.9	19	8	16	56	98	65	28	9	13	5863	
TOT PCT		70.3	16.6	10.6	2.5	100.0		.3	.1	.2	.9	1.5	1.0	.6	.1	.2	94.6	

TABLE 7

CUMULATIVE PCT FREQ OF MULTANEOUS OCCURRENCE
OF CEILING HEIGHT (FT, NM, 24/8) AND VIS (NM)

CEILING (FEET)	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER	VIS (NM)							
							0-2	3-4	5-7	8-10	0-2	3-4	5-7	8-10
0-2000	.5	.5	.5	.5		1.5	.5	.5	.5	.5	.5	.5	.5	.5
2000-3000	.6	.6	.6	.6		1.6	.6	.6	.6	.6	.6	.6	.6	.6
3000-4000	1.1	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
4000-5000	2.1	2.2	2.2	2.2		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5000-6000	3.4	3.6	3.6	3.6		3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
6000-7000	4.1	4.6	4.7	4.7		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7000-8000	4.4	4.6	4.6	4.6		4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
8000-9000	4.4	4.9	5.0	5.0		5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
9000-10000	4.5	5.1	5.2	5.2		5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
TOTAL	292	328	326	377	377	377	377	377	377	377	377	377	377	377

TOTAL NUMBER OF OBS: 6423

PCT FREQ OF WIND DIRECTION: 94.7

TABLE 8A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
F	21.1	13.7	4.2	4.1	1.4	1.0
NE	21.1	13.7	4.2	4.1	1.4	1.0
E	21.1	13.7	4.2	4.1	1.4	1.0
SE	21.1	13.7	4.2	4.1	1.4	1.0
S	21.1	13.7	4.2	4.1	1.4	1.0
SW	21.1	13.7	4.2	4.1	1.4	1.0
W	21.1	13.7	4.2	4.1	1.4	1.0
NW	21.1	13.7	4.2	4.1	1.4	1.0
T	21.1	13.7	4.2	4.1	1.4	1.0
CALM	21.1	13.7	4.2	4.1	1.4	1.0
TOT OBS	21.1	13.7	4.2	4.1	1.4	1.0
TOT PCT	21.1	13.7	4.2	4.1	1.4	1.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

MARCH

AREA CODE GULF OF TEHUANTEPEC
14.15 74.94

TABLE 2

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.7	.7	.3	.7	.7	.7	.8	.0	1.4	3.4	3.4	6.4
	TOT 1	1.7	.7	.3	.7	.7	.7	.8	.0	1.4	3.4	3.4	6.4
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	14.2	10.3	5.4	2.5	3.7	6.3	17.1	14.1	.0	11.9	92.7	92.7
	TOT 1	14.2	10.3	5.4	2.5	3.7	6.3	17.1	14.1	.0	11.9	92.7	92.7
TOT OBS													
TOT PCT													
		21.1	11.1	6.1	7.7	5.9	6.7	17.8	17.0	.0	13.4	100.0	76.6

TABLE 3

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPL KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	2.6	.9	.4	.7	1.0	1.4	3.1	2.6	.0	12.1	24.3	24.3
	4-10	7.9	4.1	3.0	1.7	2.3	4.4	11.5	10.2	.0	44.9	44.9	44.9
	11-21	4.9	3.0	1.5	.2	.5	.9	2.3	2.6	.0	19.2	19.2	19.2
	22+	1.8	2.1	.3	.0	.1	.0	.7	.0	.0	7.2	7.2	7.2
	TOT 1	19.2	10.2	7.7	2.5	3.6	6.2	16.9	16.2	.0	77.2	92.5	92.5
TOT OBS													
TOT PCT													
		21.2	12.0	6.1	4.8	5.9	6.6	17.7	17.1	.0	13.7	100.0	80.5

MARCH

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1972-1974

AREA OCT8 GULF OF TEHUANTEPEC
14-1N 94-9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 1/2) AND
OCCURRENCE OF AM <5/6 BY HOUR

HOUR (GMT)	000 149	150 209	200 509	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	AM <5/6 ANY HGT	TOTAL OBS
0000	.2	.1	.2	.5	1.9	.7	.2	.1	.2	.3	4.3	95.7	1722
0600	.2	.0	.2	.7	.7	.7	.7	.1	.3	.3	3.9	96.1	1526
1201	.5	.3	.3	1.5	1.9	1.5	.6	.3	.1	.2	7.1	92.9	1039
1802	.3	.2	.2	.8	1.6	1.0	.8	.2	.2	.2	5.4	94.6	1928
TOT	19	8	16	56	104	65	39	9	14	17	347	6370	6717
PCT	.5	.1	.2	.8	1.5	1.0	.6	.1	.2	.3	5.2	94.8	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0003	.1	.0	.1	.5	5.4	93.8	2009
0609	.1	.1	.2	1.0	7.2	91.4	1966
1205	.3	.1	.2	.8	7.6	91.0	1899
1802	.4	.*	.1	.7	5.5	92.3	2432
TOT	19	5	14	62	531	7678	6307
PCT	.2	.*	.2	.7	6.4	92.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, AM 1/2) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	AM <5/6 AND 5+	TOTAL OBS
0003	.2	.5	1.5	3.4	95.1	1663
0609	.2	.5	2.3	2.8	95.0	1466
1205	.5	1.2	3.1	4.8	92.1	1459
1802	.4	.8	2.0	4.1	93.9	1835
TOT	20	49	140	242	6041	6423
PCT	.3	.8	2.2	3.8	94.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/99	.0	.0	.0	.*	.*	.7	.0	.0	2	.*
90/94	.6	.0	.4	.2	.6	.2	.1	.0	66	1.1
85/89	.0	.0	.1	.7	4.3	5.2	1.2	.2	776	11.7
80/84	.0	.0	.1	.6	6.0	28.9	17.5	3.0	3624	56.2
75/79	.0	.0	.*	.1	1.3	7.8	10.9	4.4	1526	24.5
70/74	.0	.0	.0	.*	.5	1.2	1.4	1.7	260	4.2
65/69	.0	.0	.0	.0	.*	.1	.1	.1	22	.4
TOTAL	0	0	13	113	920	2703	1938	539	6226	100.0
PCT	.0	.0	.2	1.8	14.8	43.4	31.1	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
65/99	.0	.0	.0	.*	.*	.0	.*	.0	.0	.0
90/94	.2	.1	.1	.1	.*	.1	.3	.2	.0	.2
85/89	1.4	1.0	.6	.5	.5	.8	2.7	2.1	.0	1.5
80/84	9.6	5.0	3.7	1.8	2.6	4.6	12.1	10.3	.0	8.5
75/79	7.5	3.8	1.2	.3	.6	1.1	3.2	3.6	.0	3.2
70/74	1.6	.9	.3	.1	.*	.1	.1	.5	.0	.6
65/69	.3	.*	.0	.0	.0	.0	.0	.*	.0	.*
TOTAL	21.0	10.8	4.1	2.6	3.8	6.6	18.3	16.8	.0	14.0

TABLE 15

MEANS, EXTREMES AND PERCENTILE OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0003	96	90	86	82	76	72	65	81.8	7018
0609	94	87	84	80	74	70	67	79.8	2011
1205	89	84	83	81	73	70	66	79.1	1914
1802	95	91	89	83	76	72	65	82.6	2467
TOT	96	91	86	81	75	70	65	80.9	6410

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0003	.0	2.5	22.9	46.7	24.5	5.4	75	1620
0609	.0	.7	6.6	40.9	38.6	13.0	80	1510
1205	.2	.5	5.7	77.6	45.2	13.1	81	1494
1802	.0	3.8	23.4	47.8	20.8	4.2	74	1838
TOT	0	128	953	7814	2011	556	78	6462

PERIOD: (PRIMARY) 1951-1975
(OVER-ALL) 1972-1975

TABLE 17

APLA OLTC GULF OF TENQUANTEPEC
1972-1975

PCT FREQ OF AIR TEMPERATURE (DEW F) AND THE PCT BALANCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEW F)

AIR-SEA TEMP DIFF	65 6F	69 72	73 74	77 80	81 84	85 88	89 92	92	100	100	100
23/25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
26/22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
17/19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
14/16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
12/13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
9/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
7/8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-7/8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-9/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-11/13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
-14/16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
TOTAL	11	131	2559	3264	3264	3264	3264	3264	7219	100.0	100.0
PCT	0.2	1.0	7.4	32.7	32.7	32.7	32.7	32.7	100.0	0.0	0.0

PERIOD: (OVER-ALL) 1953-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.7	0.1	0.0	0.0	0.0	2.8	0.8	0.0	0.0	0.0	0.0	0.0	1.4
1-2	0.5	5.6	0.7	0.0	0.0	0.0	6.8	0.3	3.2	0.8	0.0	0.0	0.0	4.3
3-4	0.1	1.6	2.1	0.3	0.0	0.0	4.1	0.0	1.2	1.5	0.3	0.0	0.0	3.0
5-6	0.0	0.2	2.0	0.8	0.1	0.0	3.1	0.0	0.1	0.9	0.4	0.1	0.0	1.7
7	0.0	0.1	1.1	1.3	0.2	0.1	2.8	0.0	0.1	0.5	0.8	0.3	0.0	1.7
8-9	0.0	0.0	0.9	1.0	0.2	0.0	2.0	0.0	0.0	0.3	0.3	0.1	0.0	0.6
10-11	0.0	0.0	0.7	0.5	0.3	0.1	1.2	0.0	0.0	0.2	0.3	0.1	0.0	0.6
12	0.0	0.0	0.1	0.3	0.1	0.1	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.2
13-16	0.0	0.0	0.1	0.3	0.2	0.1	0.8	0.0	0.0	0.1	0.1	0.3	0.1	0.5
17-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
20-22	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1
23-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
26-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	1.6	9.3	7.1	4.3	1.4	0.4	24.3	1.0	5.4	4.7	2.4	1.1	0.1	14.3

PERIOD: (OVER-ALL) 1963-1979

MARCH
TABLE 18 (CONT)

AREA C-08, GULF OF TEHUANTEPEC
14.1N 94.9W

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	1.4	1.1	1.0	1.0	1.0	1.9	1.6	1.0	1.0	1.0	1.0	1.0	1.6
1-2	1.1	1.0	1.0	1.0	1.0	1.0	1.4	1.7	2.4	1.7	1.0	1.0	1.0	3.0
3-4	1.0	1.3	1.0	1.0	1.0	1.0	1.4	1.3	1.3	1.0	1.0	1.0	1.0	1.1
5-6	1.0	1.1	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.1
7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8-9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10-11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13-16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
17-19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20-22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23-25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26-32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
41-48	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
49-60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
61-70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
71-86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87+	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOT PCT	1.5	1.7	1.6	1.1	1.0	1.0	2.9	1.3	1.4	1.5	1.0	1.0	1.0	5.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	1.6	1.0	1.0	1.0	1.0	2.7	1.6	2.3	1.0	1.0	1.0	1.0	3.5	
1-2	1.6	6.4	1.0	1.0	1.0	1.0	8.0	1.6	5.5	1.0	1.0	1.0	1.0	6.7	
3-4	1.0	1.1	1.0	1.0	1.0	1.0	1.6	1.2	2.4	1.0	1.0	1.0	1.0	6.4	
5-6	1.0	1.3	1.0	1.0	1.0	1.0	1.5	1.0	1.4	1.0	1.0	1.0	1.0	1.8	
7	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.9	
8-9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	
10-11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
13-16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
17-19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
20-22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
23-25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
26-32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
33-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
41-48	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
49-60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
61-70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
71-86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
87+	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
TOT PCT	1.9	9.3	2.7	1.1	1.0	1.0	12.3	2.4	10.1	3.4	1.9	1.1	1.0	17.0	87.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.0	8.5	1.2	1.0	1.0	1.0	27.7	
1-2	1.9	26.4	4.8	1.0	1.0	1.0	34.6	
3-4	1.7	7.9	7.2	1.8	1.0	1.0	16.6	
5-6	1.0	1.0	4.0	1.5	1.3	1.0	6.8	
7	1.0	1.3	2.5	2.4	1.6	1.1	6.0	
8-9	1.0	1.1	1.5	1.5	1.2	1.0	3.3	
10-11	1.0	1.0	1.0	1.0	1.0	1.1	2.2	
12	1.0	1.0	1.0	1.0	1.0	1.1	1.8	
13-16	1.0	1.0	1.0	1.0	1.0	1.0	1.4	
17-19	1.0	1.0	1.0	1.0	1.0	1.0	1.1	
20-22	1.0	1.0	1.0	1.0	1.0	1.1	1.3	
23-25	1.0	1.0	1.0	1.0	1.0	1.0	1.1	
26-32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
33-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
41-48	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
49-60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
61-70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
71-86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
87+	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
TOT PCT	23.7	44.4	20.7	1.2	2.5	1.6	100.0	1437

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	0.1	19.1	13.7	4.6	1.5	1.8	1.4	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2674	3
6-7	1.2	2.6	5.3	4.6	2.3	1.4	1.7	1.5	1.5	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	981	5
8-9	1.1	1.1	2.1	1.5	1.2	1.8	1.6	1.3	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	460	6
10-11	1.0	1.9	1.7	1.7	1.5	1.3	1.3	1.3	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	222	7
12-13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	108	7
14-15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	57	11
INDEX	12.7	1.9	1.8	1.8	1.5	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	977	1
TOTAL	1150	1433	1346	690	347	204	127	80	121	21	20	9	9	2	1	1	1	1	1	5509	6
PCT	26.5	25.5	24.4	12.5	6.3	3.7	2.3	1.5	2.2	1.4	1.4	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	100.0	

F WIND: (PRIMARY) 1953-1979
(OVER-ALL) 1862-1979

APPEND

AREA CODE: 5017 OF JEMUNTEPEC
14-04 94.94

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA							
WIND DIR	RAIN	RAIN SHAD	DRZL	FRZG PCPN	SNOw PCPN	OTHER FZLN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LING	FGG PCPN	FGG PCPN PAST H	FOG PCPN PAST H	SPOKE HAZE	SPRAY BLG SNOw	NO SIG WEA	
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT OBS:	7379																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SNOw	DRZL	FRZG PCPN	SNOw PCPN	OTHER FZLN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LING	FGG PCPN	FGG PC PAST H	SPOKE HAZE	SPRAY PL-G PL-G	WUST SNOw	NO SIG WEA	
0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT OBS:	7633																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	2.3	6.9	3.9	2.7	.5	0		15.8	12.2	12.7	10.1	11.1	16.4	17.2	16.9	20.9	20.5
NE	1.3	4.1	2.4	1.4	.3	0		9.5	12.5	9.2	4.1	6.7	9.9	8.1	12.3	13.0	11.3
E	1.0	3.6	.9	.2	0	0		5.7	8.1	5.4	4.3	5.9	3.2	1.4	4.2	6.4	3.9
SE	1.0	2.3	.5	0	0	0		4.3	6.6	5.3	5.4	5.8	1.4	1.0	2.5	3.7	2.4
S	1.0	3.0	.4	0	0	0		4.4	6.3	5.8	6.0	6.2	6.8	3.0	2.4	2.9	2.8
SW	1.6	5.0	.9	0	0	0		7.5	6.8	10.5	12.0	9.4	6.5	4.7	7.5	4.9	10.1
W	3.7	14.4	2.7	.1	0	0		26.9	7.0	22.6	28.3	22.3	22.2	22.3	22.4	16.1	20.0
NW	3.3	11.1	2.4	.4	0	0		17.3	7.5	14.0	14.9	13.8	14.4	21.1	19.4	20.0	22.1
VAR	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
CALM	14.6							14.6	0	14.2	9.9	18.7	18.0	15.1	11.7	12.0	7.0
TOT OBS	2345	4015	1109	340	79	3	7869	7.4		18.3	121	18.3	15.7	15.1	201	20.2	19.9
TOT PCT	29.7	50.9	14.1	4.3	1.0	0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-2	20-40	41+						00	03	09	15	21
N	6.0	5.4	2.9	1.2	0.2		15.8	12.2	12.7	10.1	11.1	16.4	17.2	16.9	20.5
NE	3.3	3.5	1.4	0.9	0		9.5	12.5	9.2	4.1	6.7	9.9	8.1	12.3	11.3
E	3.0	2.2	0.4	0.1	0		5.7	8.1	5.4	4.3	5.9	3.2	1.4	4.2	3.9
SE	2.5	1.6	0.1	0	0		4.3	6.6	5.3	5.4	5.8	1.4	1.0	2.5	2.4
S	2.9	1.4	0.1	0	0		4.4	6.3	5.8	6.0	6.2	6.8	3.0	2.4	2.8
SW	4.2	3.2	0.1	0	0		7.5	6.8	10.5	12.0	9.4	6.5	4.7	7.5	4.9
W	10.3	9.2	0.4	0.0	0.0		26.9	7.0	22.6	28.3	22.3	22.2	22.3	22.4	16.1
NW	9.4	7.0	0.7	0.2	0		17.3	7.5	14.0	14.9	13.8	14.4	21.1	19.4	20.0
VAR	0	0	0	0	0		0	0	0	0	0	0	0	0	0
CALM	14.6						14.6	0	14.2	9.9	18.7	18.0	15.1	11.7	12.0
TOT OBS	4521	2645	514	191	16	7869	7.4		18.3	121	18.3	15.7	15.1	201	20.2
TOT PCT	57.3	33.5	6.5	2.4	0.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0

APRIL

 P61500 (P61500) 1453-1474
 COVER-ALL 1462-1474

 APLA 7078 GULF OF TEHUANTEPEC
 14.04 98.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0700	14.0	16.1	51.6	13.8	3.7	.9	.0	7.2	100.0
0800	16.6	13.7	51.0	11.4	3.6	1.0	.0	6.9	100.0
1200	14.6	14.8	51.5	13.6	4.4	.6	.1	7.3	100.0
1400	11.5	15.9	46.7	16.4	5.2	1.2	.1	8.1	100.0
TOT	114.9	114.6	401.2	110.9	34.0	7.9	3	7.4	7889
PCT	14.6	15.7	51.9	14.1	4.3	1.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84	85-91	92-98	99-100	TOTAL OBS
N	7.9	2.4	3.7	1.7												14.0
NE	5.3	1.7	1.7	.8												8.6
E	5.0	1.2	1.4	.4												5.2
SE	2.0	1.0	1.1	.5												3.6
S	2.1	.4	1.1	.4												3.9
SW	3.5	1.6	1.3	.7												6.2
W	11.2	4.9	3.7	1.6												16.8
WN	7.9	3.4	3.4	1.4												15.4
VAR	.0	.0	.0	.0												.0
CALM	4.4	2.5	2.5	1.4												13.2
TOT OBS	5057	1154	1137	516												5864
TOT PCT	52.1	12.7	12.4	5.6												100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) AND
OCCURRENCE OF AM (5/8) BY WIND DIRECTION

WIND DIR	0-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84	85-91	92-98	99-100	TOTAL OBS
N	7.9	2.4	3.7	1.7												14.0
NE	5.3	1.7	1.7	.8												8.6
E	5.0	1.2	1.4	.4												5.2
SE	2.0	1.0	1.1	.5												3.6
S	2.1	.4	1.1	.4												3.9
SW	3.5	1.6	1.3	.7												6.2
W	11.2	4.9	3.7	1.6												16.8
WN	7.9	3.4	3.4	1.4												15.4
VAR	.0	.0	.0	.0												.0
CALM	4.4	2.5	2.5	1.4												13.2
TOT OBS	5057	1154	1137	516												5864
TOT PCT	52.1	12.7	12.4	5.6												100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 5/8) AND WIND DIR

CEILING (FEET)	0-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84	85-91	92-98	99-100	TOTAL
> 0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
> 100	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
> 200	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
> 300	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
> 400	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
> 500	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
> 600	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
> 700	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
> 800	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
> 900	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
TOTAL	512	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516

TOTAL NUMBER OF OBS: 6062

PCT FREQ AM 5/8: 88.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

	1	2	3	4	5	6	7	8	9	10	TOTAL OBS
34.2	14.3	14.3	4.9	4.3	1.0	1.4	2.5	2.4	.2	.2	6372

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1862-1979

APRIL

AREA CO'D GULF OF TEQUATEPEC
14.0N 96.0W

TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.1	1.3	.7	.6	.5	1.0	2.2	2.2	.7	2.7	15.4	
	TOT %	2.1	1.3	.8	.6	.5	1.0	2.2	2.2	.7	2.8	15.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	13.6	6.2	4.7	3.7	3.8	6.3	18.6	15.1	.0	11.2	85.5	
	TOT %	13.6	6.2	4.7	3.7	3.8	6.3	18.6	15.1	.0	11.2	85.5	
TOT OBS													7317
TOT PCT													15.9 9.6 5.7 4.3 4.4 7.4 21.0 17.4 .0 14.5 100.0

TABLE A

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.5	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.2	.1	.1	.1	.0	.1	.1	.2	.2	.2	1.2	
5<10	0-3	.3	.2	.2	.2	.1	.2	.5	.4	.6	2.8	4.8	
	4-10	.7	.5	.4	.3	.3	.6	1.4	1.3	.0		5.4	
	11-21	.5	.3	.1	.1	.0	.2	.2	.3	.0		1.8	
	22+	.5	.4	.1	.0	.0	.0	.6	.1	.0		1.0	
	TOT %	2.0	1.3	.7	.6	.5	1.0	2.2	2.1	.0	2.8	13.2	
10+	0-3	2.0	1.1	.8	.7	.8	1.3	3.1	2.8	.0	11.4	24.0	
	4-10	6.1	3.6	3.2	2.4	2.6	4.3	12.9	9.7	.0		60.4	
	11-21	3.3	2.1	.7	.4	.4	.7	2.4	2.1	.0		12.7	
	22+	2.2	1.3	.2	.0	.0	.0	.1	.3	.0		4.2	
	TOT %	13.6	8.2	5.0	3.6	3.8	6.3	16.5	14.9	.0	11.4	85.5	
TOT OBS													7669
TOT PCT													15.9 9.6 5.8 4.3 4.3 7.4 20.9 17.3 .0 14.5 100.0

APRIL

PERIOD: (PRIMARY) 1955-1975
(OVERALL) 1962-1975AREA PC78 GULF OF GUANAJUATO
24.6N 96.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, M) AND
OCCURRENCE OF NM <5/6 BY HOUR

HOUR (GMT)	000	050	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	TOTAL OBS
06003	.2	.1	.3	.5	2.1	1.6	1.2	.3	.4	.8	7.9	5.1	1727								
06009	.4	.1	.2	.7	2.3	.8	.6	.4	.1	.6	6.2	9.6	1412								
12015	.3	.0	1.1	3.5	4.1	3.0	1.6	.4	.7	.5	15.4	6.5	1423								
18021	.5	.2	.5	2.0	4.4	4.3	1.5	.5	.6	.5	13.1	6.9	1749								
TOT	21	5	7	11	27	17	12	27	29	29	673	5638	6311								
PCI	.3	.1	.5	1.5	3.2	1.9	1.3	.4	.5	.6	10.7	8.3	100.0								

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
06003	0	.1	.1	.6	12.7	87.1	2005
06009	.2	.1	.1	1.3	13.1	85.2	1849
12015	.2	.1	.1	1.7	15.7	82.3	1809
18021	.2	0	.1	1.3	12.5	85.9	2763
TOT	11	5	4	46	1051	8754	7925
PCI	.1	.1	.1	1.2	13.9	85.2	100.0

TABLE 12

CUMULATIVE PCI FREQ OF RANGS OF VSRY (NM) AND/OR
CEILING HGT (FEET, M) BY HOUR

HOUR (GMT)	<150 C50VE	<600 C1	<1000 C5	1000+ FND5+	NM <5/6 AND 5+	TOTAL OBS
06003	.2	.6	1.9	6.5	91.6	1655
06009	.4	.7	2.7	5.0	92.3	1356
12015	.3	1.5	6.1	11.0	92.9	1366
18021	.5	1.2	4.2	11.7	85.6	1684
TOT	21	59	223	496	5343	6082
PCI	.3	1.0	3.7	8.7	88.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCI FREQ
45/66	.0	.0	.1	0	0	.7	.7	.7	2	0
52/64	.0	0	0	.4	1.5	.5	.7	0	158	2.6
65/64	.0	.0	0	.3	6.3	13.5	3.2	.6	1470	24.2
62/64	.0	.0	0	.4	5.6	28.1	25.1	.4	3896	63.5
75/79	.0	.0	.1	.1	.8	2.2	1.7	1.7	555	9.0
76/74	0	0	.1	0	.1	.7	.7	.1	53	.9
TOTAL	0	1	6	76	71	2776	1961	425	6334	100.0
PCI	.0	0	.1	1.2	14.2	45.7	32.5	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALP
40	.0	0	0	.0	.0	.0	0	.0	.0
42	.2	.2	.2	.2	0	.2	.0	.6	.5
3.4	2.3	1.7	1.2	1.2	1.6	4.8	4.2	.0	3.5
6.3	5.0	3.5	2.7	2.8	5.0	14.7	11.2	.0	9.6
2.9	1.6	.4	.2	.3	.3	1.0	1.2	.0	1.0
.4	.2	.0	0	0	0	0	.1	.0	.1
14.2	9.4	5.6	4.4	4.4	7.0	20.7	17.2	.0	14.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP LOGS F1 BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
06003	46	57	58	64	74	76	68	63.7	7070
06009	47	65	65	67	76	76	70	61.8	1916
12015	41	66	64	67	77	77	70	61.3	1824
18021	47	62	62	65	74	75	70	64.6	2317
TOT	47	61	64	63	75	76	64	63.0	4092

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
06003	.0	1.0	11.7	51.7	24.0	4.6	76	1662		
06009	.0	.0	6.1	40.1	43.1	10.5	80	1463		
12015	.0	.5	5.3	39.8	44.1	10.4	86	1466		
18021	.0	3.0	24.3	48.2	21.1	3.3	74	1750		
TOT	0	4.1	30.2	78.2	20.7	4.7	77	6341		

AR 22L

PERIOD: (PRIMARY) 1953-1975
(OVER-ALL) 1962-1979

AREA: GULF OF TEHUANTEPEC
14.0N 96.7W

TABLE 17

PCT FREQ OF WIND TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	64 72	73 76	77 80	81 84	85 88	89 92	93 96	97 100	101 104	105 108
14/16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-7/8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-9/11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-11/-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-14/-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14	117	24.2	253	687	107	15	59.5		
PCT	0.2	1.7	19.5	57.4	22.6	3.7	0.3	0.5		

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	1.0	1.0	1.0	1.0	1.0	1.0	2.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1-2	0.3	3.4	0.3	0.3	0.3	0.3	2.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3-4	0.1	0.9	1.0	0.5	0.5	0.5	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5-6	0.0	0.3	1.0	0.5	0.5	0.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-16	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-19	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-22	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-25	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-32	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-56	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57-64	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65-76	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77-86	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	1.5	6.9	3.5	2.9	1.5	1.0	19.1	1.5	6.9	3.5	2.9	1.5	1.0	19.1

PERIOD: (OVER-ALL) 1963-1979

AREA

AREA 004 GULF OF TENQUANTEPEC
19.0N 96.0W

TABLE 1a (CONT)

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-5	6-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.1	1.1	.0	.0	.0	.0	1.7	.6	1.1	.0	.0	.0	.0	1.9	
1-2	.1	1.0	.2	.0	.0	.0	1.7	.6	2.5	.0	.0	.0	.0	3.6	
3-4	.0	.5	.2	.0	.0	.0	.8	.1	1.3	.0	.0	.0	.0	1.7	
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	5.1	.7	.0	.0	.0	4.5	1.3	5.1	.0	.0	.0	.0	7.3	

HGT	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-5	6-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	2.5	1.3	.1	.0	.0	.0	6.0	1.7	3.4	.0	.0	.0	.0	6.9	
1-2	1.6	6.2	1.0	.0	.0	.0	11.6	1.1	6.3	1.7	.0	.0	.0	8.8	
3-4	.3	2.5	1.2	.1	.0	.0	4.1	.1	2.5	.0	.0	.0	.0	3.5	
5-6	.0	.0	.1	.0	.0	.0	.5	.0	.0	.5	.1	.0	.0	1.2	
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.2	15.2	2.4	.1	.0	.0	22.3	2.9	12.6	2.5	.1	.0	.0	28.6	83.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-5	6-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	25.7	12.9	.3	.0	.0	.0	.0	38.8
1-2	6.9	24.1	3.3	.1	.0	.0	.0	34.4
3-4	.0	8.5	6.3	.0	.1	.0	.0	14.2
5-6	.0	1.1	2.8	1.0	.1	.0	.0	5.0
7	.0	.1	1.4	1.1	.2	.0	.0	2.7
8-9	.0	.1	.2	.6	.1	.0	.0	1.1
10-11	.0	.0	.2	.7	.1	.0	.0	1.1
12	.0	.0	.1	.6	.1	.0	.0	.4
13-14	.0	.0	.1	.1	.1	.0	.0	.1
15-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	31.6	50.8	12.7	4.4	.6	.0	100.0	1415

PERIOD: (OVER-ALL) 1963-1979

TABLE 1b

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	6.9	20.4	12.4	3.6	1.2	.7	.3	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	23.7	2
8-9	.1	2.4	2.2	6.0	2.7	.9	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	67.2	5
10-11	.1	1.3	1.5	1.8	.9	.7	.5	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	66.0	6
12-13	.0	1.0	1.0	1.0	.5	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.6	5
17-19	.0	.0	.7	.6	.2	.7	.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	8.8	6
21-23	.0	.0	.0	.7	.2	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8
TOTAL	10.3	2.1	2.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	235.1	1
TOTAL PCT	12.52	14.97	12.45	6.43	2.47	1.54	.90	.61	.55	.29	.7	.3	.0	.0	.0	.0	.0	.0	.0	534.3	3
	23.4	26.5	23.7	12.0	5.4	2.9	1.7	1.1	1.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1461-1479

MAY

AREA CL'S GULF OF TEHUANTEPEC
14.0N 94.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	CPZL	FRZG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THOR	FOG	FGG W	SMOKE	SPRAY	NO	
				PCPN		FRZN		OB TIME	HOUR	LTNG	NO	PCPN	HAZE	BL+G	DUST	SIG
						PCPN					PCPN	PAST H		BL+G	SNOW	WEA
N	.0	.0	.0	.0	.0	.0	.0	1.4	1.3	2.2	.7	.0	.9	.2	65.1	
NE	1.8	1.6	.3	.0	.0	.0	.0	3.7	1.8	2.6	.6	.0	.8	.0	86.7	
E	3.1	2.5	1.2	.0	.0	.0	.0	6.7	2.0	5.1	.2	.0	1.6	.1	82.4	
SE	2.7	1.7	1.1	.0	.0	.0	.0	5.4	3.0	6.4	.2	.0	5.8	.1	79.2	
S	3.1	1.5	.0	.0	.0	.0	.0	5.2	3.5	4.0	.6	.0	3.7	.0	82.5	
SW	1.5	.9	.2	.0	.0	.0	.0	2.7	1.9	4.6	.4	.0	4.9	.0	86.0	
W	.0	.0	.0	.0	.0	.0	.0	1.5	1.0	2.9	.3	.0	6.5	.1	88.0	
NW	1.4	.8	.2	.0	.0	.0	.0	2.4	1.1	2.5	.5	.0	6.5	.1	87.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.2	.2	.0	.0	.0	.0	.6	.9	4.6	.5	.0	12.9	.2	86.3	
TOT PCT	1.5	1.0	.4	.0	.0	.0	.0	2.9	1.6	3.7	.5	.0	6.9	.1	94.5	
TOT OBS.	8438															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	CPZL	FRZG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THOR	FOG	FGG W	SMOKE	SPRAY	NO	
				PCPN		FRZN		OB TIME	HOUR	LTNG	NO	PCPN	HAZE	BL+G	DUST	SIG
						PCPN					PCPN	PAST H		BL+G	SNOW	WEA
0000	.8	.5	.3	.0	.0	.0	.0	1.6	1.0	.7	.3	.0	.2	.0	80.3	
0600	1.1	.6	.2	.0	.0	.0	.0	2.0	.9	10.2	.4	.0	6.1	.0	80.7	
1200	2.7	2.5	.0	.0	.0	.0	.0	5.3	2.5	5.4	.9	.0	6.4	.1	79.7	
1800	1.6	1.0	.4	.0	.0	.0	.0	2.6	1.9	.2	.4	.0	6.6	.1	87.7	
TOT PCT	1.5	1.0	.4	.0	.0	.0	.0	2.9	1.6	3.9	.5	.0	6.9	.1	94.4	
TOT OBS.	8764															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL	PCT	MEAN	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
							OBS	FREQ	SPD								
N	2.4	5.2	3.3	1.4	.3	.0	12.5	11.1	8.7	5.9	7.4	9.0	15.0	15.0	18.2	13.4	
NE	1.5	4.4	2.9	.9	.1	.0	9.9	11.0	8.7	11.1	6.7	8.9	16.2	10.0	13.1	12.3	
E	1.4	5.6	2.3	.3	.0	.0	9.7	8.9	9.3	11.1	8.5	9.9	9.2	11.4	11.0	9.8	
SE	1.4	5.5	1.2	.1	.0	.0	8.2	7.4	9.1	11.9	10.5	12.3	5.2	10.3	6.8	9.4	
S	1.3	4.2	.7	.1	.0	.0	6.4	6.8	8.3	7.8	4.2	5.6	4.4	8.3	4.6	6.4	
SW	1.3	5.3	1.0	.1	.0	.0	7.7	7.0	10.9	14.5	8.4	10.5	5.6	7.2	5.0	10.0	
W	3.4	12.3	2.7	.1	.0	.0	18.5	7.2	20.7	18.7	21.5	18.0	19.3	13.9	14.4	17.6	
NW	2.2	6.5	1.9	.2	.0	.0	12.8	7.4	9.9	11.1	9.7	12.4	16.4	15.3	14.9	13.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	14.3						14.3	.0	14.3	9.2	19.2	13.5	14.6	8.1	11.9	8.0	
TOT OBS	2621	4578	1437	261	45	1	8963	7.2	2040	147	1885	240	1845	235	2387	224	
TOT PCT	29.2	51.1	16.0	3.1	.5	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						TOTAL	PCT	MEAN	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+					00	03	12	18
							OBS	FREQ	SPD				
N	5.2	4.3	2.1	.8	.0		12.5	11.1	4.5	7.5	15.0	17.8	
NE	3.9	3.8	1.7	.5	.0		9.9	11.0	8.9	6.9	10.3	13.0	
E	4.2	4.6	.8	.1	.0		9.7	8.9	9.4	8.6	9.5	10.9	
SE	4.4	3.4	.2	.0	.0		8.2	7.4	9.3	10.7	5.8	7.1	
S	3.9	2.3	.2	.0	.0		6.4	6.8	8.3	8.0	4.8	4.8	
SW	4.3	3.1	.3	.0	.0		7.7	7.0	11.2	8.6	5.6	5.5	
W	9.8	8.2	.5	.0	.0		18.5	7.2	20.6	21.1	18.7	14.7	
NW	6.7	5.6	.5	.1	.0		12.8	7.4	10.0	9.9	16.3	14.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	14.3						14.3	.0	13.9	15.4	13.9	11.6	
TOT OBS	5374	3166	583	137	1		8963	7.2	2167	2085	2080	2411	
TOT PCT	50.6	35.3	6.5	1.5	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

PAW

AREA PGFB GULF OF TENHUATEPEC
14.0N 94.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47		
0000Z	15.9	16.4	52.4	14.7	2.1	.5	6.8	100.0
0600Z	14.6	14.5	51.2	12.4	2.4	.4	6.5	100.0
1200Z	13.9	13.5	50.5	17.3	4.0	.7	7.7	100.0
1800Z	13.6	15.2	50.3	16.5	3.9	.4	7.7	100.0
TOT	1253	1336	4574	1437	261	45	7.2	6963
PCT	14.3	14.9	51.1	16.0	3.1	.5		100.0

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CL700 COVER
N	4.1	2.6	3.7	1.4	4.7	
NE	3.1	1.9	3.1	1.7	4.7	
E	2.2	2.0	3.6	2.0	4.8	
SE	1.8	1.7	3.0	1.5	4.6	
S	1.6	1.4	2.1	1.1	4.4	
SW	2.3	1.7	2.3	1.2	4.2	
W	7.0	4.5	5.0	2.2	3.7	
NW	4.0	2.4	3.4	2.0	4.1	
VAR	.0	.0	.0	.0	.0	
CALM	5.9	3.4	3.7	1.9	3.6	
TOT OBS	2165	1471	2055	1034	6725	4.1
TOT PCT	32.2	21.9	30.6	15.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

AND OCCURRENCE OF 1/2 AND 3/4 INCH DIAPHRAGMS											
000	150	300	600	1000	2000	3500	5000	6500	8000+	NM 5/8	TOTAL
149	299	599	699	1999	3499	4999	6499	7999		ANY HGT	OBS
.1	.	.1	.4	.7	.5	.2	.1	.1	.1	9.9	
.0	.	.1	.6	.6	.5	.1	.	.1	.1	7.7	
.0	.	.2	.6	1.1	.3	.2	.1	.	.	7.3	
.	.	.1	.4	.4	.3	.2	.	.	.	5.9	
.1	.	.1	.4	.4	.2	.1	.	.0	.	5.1	
.1	.0	.1	.3	.5	.2	.1	.	.	.	6.2	
.1	.	.2	.6	.9	.5	.3	.1	.1	.1	15.8	
.1	.	.1	.4	.9	.5	.3	.	.	.	10.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.	.	.1	.5	.7	.4	.1	.	.	.1	12.7	
40	16	69	273	438	237	106	35	29	45	5437	6725
.6	.2	1.0	4.1	6.5	3.5	1.6	.7	.4	.7	80.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VISIB (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSRY (MP)		≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
				1	1				
≥ OR >4500	.8	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ OR >5000	1.3	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
≥ OR >5500	2.5	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ OR >2000	5.5	6.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ OR >1000	10.6	12.8	13.1	13.2	13.2	13.2	13.2	13.2	13.2
≥ OR >600	13.6	16.6	17.1	17.2	17.2	17.2	17.2	17.2	17.2
≥ OR >300	14.3	17.5	18.0	18.2	18.2	18.2	18.3	18.3	18.3
≥ OR >150	14.5	17.7	18.3	18.4	18.4	18.5	18.5	18.5	18.5
≥ OR >75	14.7	18.2	18.6	19.0	19.0	19.0	19.1	19.1	19.1
TOTAL	1024	1266	1305	1319	1322	1324	1328	1328	1328

TOTAL NUMBER OF OBS: 6955

PCT FREQ NM <5/8: 60.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
22.7	16.3	18.0	14.3	9.2	5.7	4.7	3.6	5.2	.4	7379

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1861-1979

MAY

AREA NO. 6 GULF OF TEHUANTEPEC
14.0N 94.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL Obs
<1/2	PCP	.0	*	*	*	.0	.0	*	*	.0	.0	.1	
	NO PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	*	.0	.0	*	*	.0	.0	.1	
1/2<1	PCP	*	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	*	.0	.0	.0	*	*	.0	.0	*	
	TOT %	*	*	*	*	.0	.0	*	*	.0	.0	.1	
1<2	PCP	.0	*	.1	*	*	.0	*	.0	.0	.0	.2	
	NO PCP	*	*	*	*	.0	*	*	*	.0	.0	.1	
	TOT %	*	*	.1	*	*	*	*	*	.0	.0	.3	
2<5	PCP	*	*	.1	*	.1	*	*	*	.0	.0	.3	
	NO PCP	.2	.1	*	.1	*	.1	.1	.1	.0	.1	.9	
	TOT %	.2	.2	.1	.1	.1	.1	.1	.1	.0	.1	1.2	
5<10	PCP	.1	.1	.2	.2	.1	.1	.1	.1	.0	*	1.0	
	NO PCP	1.4	1.1	1.0	1.1	.6	.7	1.9	1.4	.0	2.7	11.5	
	TOT %	1.5	1.2	1.1	1.3	.7	.8	1.9	1.5	.0	2.4	12.5	
10+	PCP	.1	.2	.3	.2	.1	.1	.1	.2	.0	*	1.2	
	NO PCP	10.7	8.4	8.2	6.4	5.5	6.5	16.4	10.8	.0	11.8	84.6	
	TOT %	10.8	8.6	8.4	6.6	5.6	6.6	16.5	11.0	.0	11.8	85.8	
TOT OBS													844
TOT PCT		12.6	10.1	9.8	8.1	6.4	7.5	18.6	12.6	.0	14.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	*	*	
	4-10	.0	.0	*	*	*	*	*	*	.0	*	.1	
	11-21	.0	*	*	.0	.0	*	.0	*	.0	*	*	
	22+	.0	*	*	.0	.0	.0	*	*	.0	*	*	
	TOT %	.0	*	*	*	*	*	*	*	.0	*	.2	
1/2<1	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	*	.0	*	*	.0	*	.0	*	.0	.0	.1	
	11-21	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	*	*	*	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	4-10	*	*	*	*	*	*	*	*	.0	.0	.1	
	11-21	*	*	*	*	*	.0	.0	.0	.0	.0	.1	
	22+	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	TOT %	*	*	.1	*	*	*	*	*	.0	.0	.3	
2<5	0-3	*	.1	.0	.0	*	*	*	*	.0	.2	.4	
	4-10	.1	*	*	.1	*	.1	.1	.1	.0	.0	.6	
	11-21	.1	.1	.1	.1	*	.1	*	*	.0	.0	.4	
	22+	*	*	*	.0	*	.0	*	*	.0	.0	.1	
	TOT %	.2	.2	.1	.2	.1	.1	.2	.2	.0	.2	1.6	
5<10	0-3	.2	.1	.2	.3	.1	.1	.3	.2	.0	2.3	4.0	
	4-10	.6	.6	.6	.7	.4	.6	1.2	.9	.0	.0	5.9	
	11-21	.4	.4	.3	.2	.1	.1	.4	.4	.0	.0	2.2	
	22+	.3	.1	.1	*	*	*	.0	*	.0	.0	.5	
	TOT %	1.5	1.2	1.1	1.2	.7	.8	1.9	1.5	.0	2.3	12.4	
10+	0-3	2.0	1.2	1.2	1.0	1.2	1.2	3.0	1.8	.0	11.8	24.5	
	4-10	4.5	3.9	4.9	4.6	3.8	4.6	11.0	7.5	.0	.0	44.8	
	11-21	7.8	2.4	2.0	.9	.5	.8	2.3	1.4	.0	.0	13.2	
	22+	1.4	1.0	.2	.1	*	*	.1	.1	.0	.0	3.0	
	TOT %	10.7	8.5	8.4	6.7	5.5	6.7	16.4	10.9	.0	11.8	85.5	
TOT OBS													869
TOT PCT		12.6	10.0	9.8	8.2	6.4	7.6	18.6	12.6	.0	14.3	100.0	

MAY

PL100: (PM120Y) 1951-1979
(OVER-ALL) 1961-1976AREA 00'6 GULF OF TEHUANTEPEC
14.04 74.94

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 34/8) AND
OCCURRENCE OF NM 34/8 BY HOUR

HOUR (GMT)	000 144	150 259	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM 34/8	TOTAL OBS
0000	.3	.1	.7	2.3	4.5	2.6	1.4	.6	.4	.9	13.0	87.2	1902
0600	.6	.2	.6	2.6	4.9	2.2	.7	.3	.2	.6	2.9	87.1	1625
1200	.5	.4	1.3	6.1	6.0	3.8	1.7	.4	.5	.6	23.2	77.6	1708
1800	.4	.2	1.1	4.5	7.4	4.0	2.3	.7	.6	.6	22.4	77.1	2042
TOT PCT	.42 .6	16 .2	71 1.3	242 3.5	453 6.2	247 3.4	177 1.5	76 .5	72 .4	48 .7	1236 16.4	5441 81.6	12277 100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<177	17201	182	205	501+	10+	TOTAL OBS
0000	.1	*	.1	1.2	11.4	87.1	2225
0600	.2	.2	.3	1.1	12.3	85.9	2107
1200	.3	.0	.7	2.4	15.3	81.4	2102
1800	.2	.2	.2	1.7	11.6	86.2	2595
TOT PCT	17 .2	1 .1	29 .3	142 1.6	1135 12.6	7646 85.2	9029 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGTS OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM 34/8) BY HOUR

HOUR (GMT)	<150 <500	600 <1	1000 <5	1000+ AND 5+	NM <5/8	TOTAL OBS
0000	.4	1.5	4.6	10.3	84.9	1824
0600	.6	1.6	5.2	9.0	85.4	1541
1200	.6	2.4	10.6	14.9	74.5	1626
1800	.9	2.3	7.7	16.5	75.6	1964
TOT PCT	43 .6	135 1.9	495 7.1	689 12.8	5571 80.1	6955 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/96	.0	.0	*	*	.1	*	.7	.0	13	.2
90/94	.0	.0	*	.5	2.4	1.0	.2	*	279	4.0
85/88	.0	.0	*	.3	7.8	23.3	5.9	.7	2843	38.1
80/84	.0	.7	.7	.2	3.6	27.9	23.0	3.6	3815	54.4
75/79	.0	.0	.3	.0	*	.3	1.1	1.3	194	2.6
70/74	.0	.7	.0	.0	.0	*	.7	.1	7	.1
TOTAL	0	7	3	70	966	3377	2139	396	6951	100.0
PCT	.0	.0	*	1.0	13.9	48.6	30.8	5.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	.0	*	.1	*	.0	*
.5	.7	.4	.2	.1	.2	.8	.8	.0	.7
4.4	3.5	3.7	3.1	2.2	2.7	6.6	5.0	.0	6.1
6.3	5.6	5.2	4.4	3.6	4.1	10.9	6.8	.0	7.9
.5	.4	.5	.4	.4	.1	.2	.2	.0	.2
*	*	*	*	*	.0	.0	*	.0	.0
12.3	9.8	9.7	8.1	6.3	7.3	18.6	12.6	.0	15.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	91	89	45	81	79	75	84.9	2253
0600	93	88	86	43	80	78	73	83.3	2169
1200	90	87	86	43	79	76	73	82.6	2131
1800	96	94	91	46	81	77	71	85.7	2662
TOT	96	92	89	64	80	77	71	84.2	9215

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.2	17.0	55.1	23.2	3.5	75	1648
0600	.0	.2	6.4	45.7	42.1	5.5	79	1683
1200	.0	.4	4.5	41.8	43.8	9.5	80	1687
1800	.0	2.0	24.8	51.2	17.7	4.3	74	2005
TOT	0	74	995	3521	2230	403	77	7223

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

MAY

AREA 0014 GULF OF TEHUANTEPEC
14.04 94.94

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	86 92	>92	*GT FOG	N FOG	WT FOG
14/16	.0	.0	.0	.0	.0	*	1	.0	*
11/13	.0	.0	*	.1	*	.1	27	.0	.2
9/10	.0	.0	*	.1	.1	.2	29	.0	.4
7/8	.0	.0	.1	.2	.0	.2	87	*	1.1
6	.0	.0	.1	.3	.4	*	65	.0	.6
5	.0	.0	.1	.7	.9	.1	149	*	1.4
4	.0	*	.5	1.4	1.0	*	232	*	2.0
3	.0	.1	.4	1.7	.9	*	259	.0	3.7
2	.0	*	1.9	4.1	.8	*	546	*	6.4
1	.0	.1	2.0	5.3	.4	.0	621	*	7.7
0	*	.2	7.0	7.2	.3	.0	1170	.1	14.7
-1	.0	.2	7.3	5.8	.1	.0	1061	.1	13.2
-2	.0	.5	10.8	4.4	*	.0	1238	.1	15.5
-3	*	.5	7.6	2.0	*	.0	805	*	10.1
-4	*	.9	7.3	.9	*	.0	724	*	9.1
-5	*	.9	3.8	.6	*	.0	430	.0	5.4
-6	*	1.0	2.0	.1	.0	.0	241	.0	3.7
-7/-8	.1	.9	1.1	.2	.0	.0	175	*	2.7
-9/-10	.1	.4	.2	*	.0	.0	55	*	.7
-11/-12	.1	.1	.1	.0	.0	.0	22	.0	.1
-13/-14	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL	33	468	1133	2769	59	7613	39	7874	
PCT	.4	5.9	52.2	35.0	5.7	100.0	.5	99.4	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION% VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.4	.0	.1	.0	.0	2.6	.8	1.5	.1	.0	.0	.0	2.3
1-2	.4	2.5	.5	.0	.0	.0	3.4	.2	2.1	.7	.0	.0	.0	3.1
3-4	.1	1.2	1.1	.2	.0	.0	2.6	.1	.8	1.2	.1	.0	.0	2.2
5-6	.0	.3	1.1	.4	.1	.0	1.4	.1	.2	1.2	.3	.0	.0	1.7
7	.0	.1	.5	.5	.1	.0	1.1	.0	.0	.8	.1	.0	.0	.9
8-9	.0	.0	*	.2	.2	.0	.4	.0	.0	.2	.3	*	*	.5
10-11	.0	.0	.1	.2	.0	.0	.4	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	5.4	3.3	1.8	.5	.0	12.8	1.1	4.6	4.2	1.2	.1	.0	11.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.3	*	.0	.0	.0	2.1	.7	1.5	*	.0	.0	.0	2.2
1-2	.2	1.2	.9	.0	.0	.0	4.4	.2	2.6	.4	.0	.0	.0	3.2
3-4	.2	.9	1.0	.1	.0	.0	2.3	.2	1.6	.4	.1	.0	.0	1.6
5-6	.0	.3	.9	*	.0	.0	1.1	.1	.2	.1	.0	.0	.0	.4
7	.0	.1	.3	.0	.0	.0	.3	.0	.1	.2	.0	.0	.0	.2
8-9	.0	.1	.0	*	.0	.0	.1	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	5.8	3.0	.2	.0	.0	10.3	1.3	5.3	1.1	.1	.0	.0	7.7

PERIOD: (OVER-ALL) 1963-1979

MAY

AREA C-06 GULF OF TEHUANTEPEC
14-04 94.44

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.0	1.0	.1	.0	.0	.0	2.0	.0	1.0	.0	.0	.0	.0	1.0	1.6
1-2	.1	.1	.2	.0	.0	.0	2.5	.2	2.0	.7	.0	.0	.0	.0	3.2
3-4	.1	.0	.2	.1	.0	.0	1.0	.3	.0	.4	.0	.0	.0	.0	1.0
5-6	.0	.2	.1	.1	.0	.0	.4	.0	.2	.4	.1	.0	.0	.0	.6
7	.0	.0	.1	.1	.0	.0	.2	.0	.1	.2	.0	.0	.0	.0	.3
8-9	.0	.0	.1	.1	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.3
10-11	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	4.0	.7	.3	.0	.0	6.7	.8	4.7	1.2	.1	.0	.0	.0	6.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	1.7	2.7	.0	.0	.0	.0	4.4	1.5	2.1	.0	.0	.0	.0	.0	3.6
1-2	.7	7.7	1.0	.0	.0	.0	9.4	.3	5.0	.5	.0	.0	.0	.0	6.1
3-4	.1	2.5	1.1	.0	.0	.0	3.7	.1	1.0	.4	.1	.0	.0	.0	2.2
5-6	.0	.1	.0	.0	.0	.0	.7	.0	.1	.1	.0	.0	.0	.0	.2
7	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	12.0	2.1	.0	.0	.0	17.7	1.9	9.2	1.7	.2	.0	.0	.0	22.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	25.6	12.2	.2	.1	.0	.0	36.4	025
1-2	3.7	27.2	4.4	.0	.0	.0	35.3	
3-4	1.1	8.7	5.5	.0	.0	.0	15.9	
5-6	.2	1.6	4.0	.0	.1	.0	6.9	
7	.0	.4	2.1	.0	.1	.0	3.1	
8-9	.0	.1	.2	.0	.2	.0	1.1	
10-11	.0	.0	.2	.4	.0	.0	.6	
12	.0	.0	.0	.2	.1	.0	.3	
13-16	.0	.0	.0	.3	.1	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.6	50.3	16.6	3.7	.5	.0	100.0	1697

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.1	17.6	14.1	4.5	1.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2914	3
6-7	.2	2.0	6.8	4.9	2.3	1.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1148	5
8-9	.1	1.2	3.2	2.7	1.6	.7	.0	.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	652	5
10-11	.0	1.1	1.3	1.2	.5	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	298	5
12-13	.0	.0	1.0	.6	.3	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	143	5
13	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	7
INDET	31.0	2.3	2.3	.0	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1078	1
TOTAL	1158	1535	1804	934	439	203	116	29	46	9	9	0	0	0	0	0	0	0	0	6267	3
PCT	18.4	24.4	28.7	14.9	7.0	3.2	1.8	.5	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1883-1979

JUNE

AREA DATA GULF OF TEHUANTEPEC
14.6N 94.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	GRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLDG	DUST SNOW	NO SIG WEAR
N	3.5	1.6	1.1	.0	.0	.0	.0	6.1	2.3	5.1	.1	.1	.9	.0	.0	85.6
NE	3.8	3.0	2.5	.0	.0	.0	.0	8.8	4.0	5.0	.1	.0	.7	.0	.0	81.7
E	5.6	2.5	1.8	.0	.0	.0	.0	9.8	5.4	6.0	.1	.0	.4	.1	.0	78.6
SE	6.0	3.8	1.2	.0	.0	.0	.0	11.0	5.3	4.8	.1	.0	.5	.0	.0	76.7
S	6.0	4.6	1.5	.0	.0	.0	.0	11.7	5.4	6.0	.0	.0	.3	.0	.0	77.2
SW	5.3	3.9	2.0	.0	.0	.0	.1	11.5	5.9	4.7	.0	.0	.3	.0	.0	76.2
W	4.4	2.0	1.5	.0	.0	.0	.1	7.9	5.3	5.7	.0	.0	.3	.0	.0	80.9
NW	3.5	1.7	1.4	.0	.0	.0	.0	6.7	2.5	4.4	.0	.0	.6	.0	.0	86.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2	.7	.5	.0	.0	.0	.0	2.2	1.6	7.2	.1	.0	1.8	.0	.0	87.1
TOT PCT	4.5	2.6	1.5	.0	.0	.0	.	8.5	4.4	5.5	.1	.	.6	.	.	81.3
TOT OBS:	7947															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	GRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLDG DUST BLWG SNOW	SPRAY	NO SIG
00003	2.6	1.8	1.3	.0	.0	.0	.0	5.6	3.6	.7	.0	.0	.6	.0	.0	49.5
06009	3.8	2.0	1.3	.0	.0	.0	.0	7.0	3.3	14.7	.1	.0	.7	.0	.0	74.7
12015	6.5	3.6	2.1	.0	.0	.0	.1	12.1	5.3	7.9	.1	.1	.5	.1	.0	74.9
18021	4.9	3.0	1.3	.0	.0	.0	.0	9.2	5.0	.8	.1	.0	.6	.0	.0	84.5
TOT PCT	4.4	2.6	1.5	.0	.0	.0	.	8.5	4.3	5.6	.1	.	.6	.	.	81.2
TOT OBS:	8172															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	1.2	4.7	1.9	.5	.1	.0	8.4	9.8	6.4	1.7	4.8	6.5	10.6	9.0	12.1	7.5		
NE	1.3	6.1	2.9	.6	.1	.0	10.9	9.7	9.7	4.4	7.0	8.2	12.5	12.7	14.3	10.4		
E	1.6	9.8	4.7	.9	.1	.0	17.2	10.1	16.1	14.1	15.6	17.4	16.7	19.9	19.6	18.0		
SE	1.3	7.0	3.4	.5	.1	.0	12.3	9.7	13.3	21.8	14.0	14.7	10.4	12.7	10.4	14.5		
S	1.2	4.8	1.9	.2	.0	.0	8.2	8.8	10.2	9.4	10.2	7.7	6.5	6.7	6.1	6.0		
SW	1.1	5.2	2.3	.4	.0	.0	8.9	9.3	11.9	13.3	9.4	11.9	6.4	9.7	7.2	9.6		
W	1.7	8.9	4.5	.5	.0	.0	15.2	9.7	15.9	15.8	16.7	13.4	16.3	12.1	13.1	14.4		
NW	1.3	5.6	1.9	.1	.0	.0	9.0	8.4	6.7	10.0	7.7	9.5	11.6	9.2	10.0	9.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.0						10.0	.0	9.9	9.5	14.7	10.8	9.1	8.0	7.2	8.0		
TOT OBS	1744	4368	1997	322	32	2	8465	8.6	1938	147	1793	213	1700	263	2165	226		
TOT PCT	29.6	51.6	23.6	3.2	.4	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	3.4	3.7	.9	.3	.0	8.4	9.8	6.4	4.9	10.4	11.7		
NE	4.5	4.9	1.3	.2	.0	10.9	9.7	9.7	7.1	12.5	14.0		
E	6.0	8.8	2.0	.3	.0	17.2	10.1	16.1	15.8	17.1	19.5		
SE	4.5	6.4	1.2	.2	.0	12.3	9.7	13.3	14.0	10.7	10.8		
S	3.6	3.8	.7	.1	.0	8.2	8.8	10.2	9.9	6.5	6.3		
SW	3.7	4.2	1.0	.1	.0	8.9	9.3	12.0	9.6	6.9	7.4		
W	5.3	8.1	1.7	.1	.0	15.2	9.7	15.9	16.4	15.7	13.2		
NW	4.1	4.3	.6	.1	.0	9.0	8.4	7.0	7.9	11.3	9.9		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	10.0					10.0	.0	9.9	14.3	8.9	7.3		
TOT OBS	3810	3740	801	109	5	8465	8.6	2085	2006	1963	2411		
TOT PCT	45.0	44.2	9.5	1.3	.1	100.0		100.0	100.0	100.0	100.0		

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1983-1979AREA OCCO GULF OF TENUANTEPEC
14.0N 94.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT	TOTAL
									FREQ	OBS
0000	9.9	10.3	52.1	24.0	3.3	.5	.0	8.5	100.0	2085
0600	14.3	10.3	52.0	19.7	3.3	.3	.0	7.8	100.0	2006
1200	9.9	10.3	51.1	25.0	4.4	.1	.1	8.8	100.0	1963
1800	7.3	11.4	51.3	25.3	4.2	.5	.0	9.1	100.0	2011
TOT	843	901	4368	1997	322	32	1	8.6		8465
PCT	10.0	10.6	51.6	23.6	3.8	.4	0	8.6	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN
					OBS	CLOUD COVER
N	1.4	1.6	3.5	2.1		5.3
NE	1.5	2.1	4.5	2.8		5.5
E	1.8	2.7	6.9	5.4		5.8
SE	1.4	2.1	4.6	3.8		5.7
S	.8	1.5	3.2	2.9		5.9
SW	.8	1.3	3.2	3.3		6.0
W	2.1	3.1	6.3	4.4		5.5
NW	1.4	2.0	3.2	2.1		5.1
VAR	.0	.0	.0	.0		.0
CALM	2.6	2.5	3.4	1.4		4.4
TOT OBS	892	1218	2516	1800	6426	5.5
TOT PCT	13.9	19.0	39.2	28.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN	0-2	150	300	600	1000	2000	3500	5000	6500	8000+	ANY	TOTAL
					OBS	CLOUD COVER	149	299	599	999	1999	3999	7999	15999	31999	63999	127999	OBS
N	1.4	1.6	3.5	2.1		5.3	.1	0	.2	.6	.9	.5	.2	.1	.1	0	6.0	
NE	1.5	2.1	4.5	2.8		5.5	.2	0	.2	.7	1.3	.6	.2	.1	0	.1	7.7	
E	1.8	2.7	6.9	5.4		5.8	.1	.2	.7	1.5	2.6	.9	.4	.1	.1	0	9.9	
SE	1.4	2.1	4.6	3.8		5.7	.2	.1	.4	1.3	1.7	.7	.2	0	0	0	7.1	
S	.8	1.5	3.2	2.9		5.9	.1	.1	.2	1.1	1.4	.3	.2	.1	.0	0	4.9	
SW	.8	1.3	3.2	3.3		6.0	.1	.1	.3	1.1	1.3	.6	.2	0	.0	0	4.9	
W	2.1	3.1	6.3	4.4		5.5	.2	.1	.4	1.3	2.1	.8	.2	.1	0	0	10.6	
NW	1.4	2.0	3.2	2.1		5.1	.1	0	.1	.6	.9	.4	.2	.1	0	0	6.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.6	2.5	3.4	1.4		4.4	6	6	.1	.7	.7	.3	.2	0	0	0	8.1	
TOT OBS	892	1218	2516	1800	6426	5.5	68	96	165	576	824	332	130	37	19	18	4209	6426
TOT PCT	13.9	19.0	39.2	28.0	100.0		1.1	.7	2.6	9.0	12.8	5.2	2.0	.6	.3	.3	65.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.4	.6	.6	.6	.6	.6	.6	.6	.6
= OR >5000	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >3500	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >2000	7.1	8.1	8.2	8.3	8.3	8.3	8.3	8.3	8.3
= OR >1000	17.7	20.4	20.8	21.0	21.0	21.0	21.1	21.1	21.1
= OR >600	24.0	28.7	29.4	29.7	29.8	29.9	29.9	29.9	29.9
= OR >300	25.3	30.7	31.8	32.1	32.2	32.4	32.5	32.5	32.5
= OR >150	25.4	31.2	32.4	32.8	32.9	33.1	33.2	33.2	33.2
= OR >0	25.9	31.8	33.2	33.7	33.8	34.0	34.2	34.2	34.2
TOTAL	1714	2103	2195	2227	2236	2250	2260	2261	2261

TOTAL NUMBER OF OBS: 6609

PCT FREQ NH <5/8: 64.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
										OBS
6.3	14.3	17.5	15.2	12.2	7.6	8.5	5.8	11.9	.7	7055

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1-63-1979

LCNE

AREA CODE: GULF OF GUANAJUATO
14.0N 104.0W

TABLE 2

PERCENT FREQ OF WIN. DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSOT (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	FCI	TOTAL OBS
PCP	0	0	0	0	0	0	0	0	0	0	0	0
<1/2	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
10+	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0
TOT FCI	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 3

PERCENT FREQ OF WIN. DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSOT (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	FCI	TOTAL OBS
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
U-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT FCI	0	0	0	0	0	0	0	0	0	0	0	0	0

JUNE

PERIOD: (PHEMAY) 1953-1979
(OVLA-ALL) 1983-1979

AREA: MCFB GULF OF TEHUANTEPEC
14.0N 96.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 3478) AND
OCCURRENCE OF AM 3574 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	TOTAL OBS
0000Z	.5	.5	1.4	0.4	16.0	3.1	2.1	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	1657
0600Z	.9	.3	1.9	0.4	11.7	4.0	1.0	.4	.3	.2	.2	.2	.2	.2	.2	.2	.2	1488
1201Z	1.7	1.2	3.5	4.3	14.3	5.6	1.4	.4	.2	.1	.3	.2	.2	.2	.2	.2	.2	1610
1802Z	1.0	.7	3.2	9.6	13.3	4.0	2.1	.4	.3	.6	.3	.3	.3	.3	.3	.3	.3	1926
TOT PCT	64 1.0	46 .7	166 2.4	518 8.5	647 12.3	338 4.9	133 1.9	34 .6	19 .3	21 .3	2260 32.9	4721 67.1	6889 100.0					

TABLE 11

PERCENT FREQUENCY VSSY (MM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	>5	10+	TOTAL OBS
0000Z	.4	.1	.4	.9	7.4	92.8	2104
0600Z	.7	.2	.5	1.2	10.4	86.9	1991
1201Z	.9	.4	1.1	3.2	13.4	81.2	1995
1802Z	.4	.3	.6	2.2	9.4	86.8	2379
TOT PCT	.5 .5	.2 .2	.5 .6	1.5 1.9	10.2 10.2	86.5 86.5	6473 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSSY (MM) AND/OR
CEILING HGT (FEET, AM 3478) BY HOUR

HOUR (GMT)	<150 (50FT)	<600 (195)	<1000 (328)	<1000 AND 5+	AM 3478 AND 5+	TOTAL OBS
0000Z	.6	2.7	10.3	17.2	72.5	1770
0600Z	.8	3.6	13.2	18.5	68.3	1416
1201Z	1.0	7.0	17.5	21.9	60.5	1562
1802Z	1.7	5.0	15.4	22.7	60.6	1855
TOT PCT	.7 1.1	3.0 4.5	9.5 14.1	13.0 20.4	43.9 65.5	6809 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP	<20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL OBS	PCT FREQ
95/94	.0	.3	.7	.0	.0	.0	.0	.0	.0	5	.1
90/84	.0	.0	.0	.1	1.2	.5	.1	.0	.0	145	2.2
85/80	.0	.0	.0	.2	4.4	13.7	3.4	.6	.0	1511	22.6
80/74	.0	.0	.0	.1	2.6	24.9	32.9	5.5	.0	4199	63.5
75/70	.0	.0	.0	.0	.0	.4	4.4	6.1	.0	733	11.1
70/74	.0	.0	.0	.0	.0	.0	.0	.3	.0	22	.3
TOTAL	.0	.3	.7	2.4	4.7	26.2	25.5	8.2	.0	6615	100.0
PCT	.0	.3	.7	2.4	4.7	26.2	25.5	8.2	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/84	.0	.3	.3	.2	.1	.1	.4	.3	.0	.0
85/80	2.8	3.0	3.8	2.2	1.4	1.6	3.4	2.1	.0	2.5
80/74	5.1	8.4	10.7	8.1	5.5	5.5	9.7	5.4	.0	6.8
75/70	.7	1.1	2.0	1.5	1.5	1.3	1.6	.7	.0	.4
70/74	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0
TOTAL	8.8	11.1	16.8	12.6	9.6	8.6	15.4	8.6	.0	10.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP 10LG FT BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	45	42	40	34	26	23	23	33.5	2128
0600Z	41	38	35	32	28	26	26	32.1	2051
1201Z	44	40	35	32	27	25	22	31.4	2013
1802Z	47	42	40	34	28	25	23	34.0	2437
TOT	47	42	40	34	28	26	24	32.6	8631

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	C-20	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
16-17								OBS
0000Z	.0	.4	11.1	47.0	31.4	4.6	78	1772
0600Z	.0	.0	3.7	33.6	50.4	11.6	81	1369
1201Z	.0	.1	2.7	26.3	49.4	18.5	63	1623
1802Z	.0	1.0	14.0	47.1	27.3	10.5	77	1854
TOT	.0	.2	5.9	27.1	26.7	8.7	80	6816

AREA NO. 6 GOLF OF TENUATIPIC
14-12-80

PCT FREQ v AIR TEMPERATURE (DGF F) AND THE OCCURRENCE OF FOG WITHOUT PRECIPITATION
VS. AIR/SEA TEMPERATURE (DIA, BRICE) (DGF F)

[illegible]

PGI FIELD NO. WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

[illegible]

PERIOD: (PRIMARY) 1953-1979
(OVERALL) 1872-1979

JULY

AREA CODE GULF OF TEHUANTEPEC
14.0N 94.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZN PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THOR LING	FOG W/ PCPN	FOG W/ PCPN PAST HR	SPOKE HAZE	ELC DUST BLUG SN W	SPRAY	NO SIG WEA
N	2.3	.8	.7	.0	.0	.0	.0	3.0	1.7	7.3	.0	.0	.9	.2		86.6
NE	3.9	1.9	.5	.0	.0	.0	.0	6.2	3.1	7.8	.2	.0	.4	.1		83.0
E	5.2	2.6	2.2	.0	.0	.0	.0	9.6	4.0	6.7	.5	.0	.2	.1		79.5
SE	4.6	3.2	1.7	.0	.0	.0	.0	9.2	5.0	8.2	.2	.0	.2	.0		77.5
S	4.1	4.2	1.1	.0	.0	.0	.0	9.4	4.0	7.4	.0	.0	.6	.0		78.7
SW	4.1	2.7	.4	.0	.0	.0	.0	7.2	5.0	7.2	.0	.0	.1	.0		80.6
W	2.9	1.7	1.5	.0	.0	.0	.0	5.7	2.2	7.4	.3	.2	.5	.3		83.5
NW	3.0	1.6	.8	.0	.0	.0	.0	5.4	2.5	7.0	.0	.0	.2	.0		85.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.1	.3	.3	.0	.0	.0	.0	.0	1.0	12.0	.0	.0	2.0	.0		84.3
TOT PCT	3.5	2.0	1.1	.0	.0	.0	.0	6.5	3.1	7.8	.2	.0	.5	.0		82.2
TOT OBS:	8065															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG W/ PCPN	FOG W/ PCPN PAST HR	SPOKE HAZE	SPRAY BLUG SNOW	DUST	NO SIG WEA
0000	2.0	1.4	.7	.0	.0	.0	.0	4.0	2.0	1.5	.1	.0	.5	.0	.0	91.9
0200	2.7	1.3	.8	.0	.0	.0	.0	4.7	1.7	21.0	.3	.0	.7	.1	.1	72.0
1200	6.4	3.7	1.6	.0	.0	.0	.0	11.4	4.0	10.9	.2	.0	.6	.1	.1	73.1
1800	3.3	1.7	1.4	.0	.0	.0	.0	6.3	3.8	.9	.2	.1	.5	.0	.0	86.4
TOT PCT TOT OBS:	3.6 8280	2.0	1.1	.0	.0	.0	.0	6.5	3.1	9.0	.2	.0	.5	.0	.0	82.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)							
		4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	1.9	6.2	3.7	.9	.0	.0		14.7	9.6	12.3	9.0	11.1	16.8	17.0	17.3	17.7	13.4	
NE	.0	4.2	5.1	.8	.1	.0		16.0	10.5	15.8	15.6	13.0	14.7	17.1	17.0	17.9	14.9	
E	1.7	1.1	7.8	.8	.1	.0		21.5	10.4	21.1	17.0	20.1	18.6	21.2	20.9	23.7	20.9	
SE	1.1	6.3	3.4	.3	.0	.0		11.4	9.8	11.7	5.6	13.3	11.6	9.0	14.0	11.6	10.6	
S	1.0	3.0	1.1	.1	.0	.0		5.2	6.1	7.3	7.1	6.0	6.5	3.6	3.9	4.0	6.0	
SW	.7	2.6	.0	.0	.0	.0		4.0	7.5	6.0	7.3	3.9	5.6	2.6	4.3	2.6	7.0	
W	1.2	4.8	1.1	.1	.0	.0		7.3	7.7	8.1	15.1	8.5	5.1	7.4	7.3	5.4	7.4	
NW	1.5	6.3	1.1	.2	.0	.0		9.9	8.0	8.3	8.2	9.1	10.8	12.2	11.2	10.3	7.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.0							10.0	.0	9.4	15.0	15.1	10.2	9.9	4.0	6.7	11.8	
TOT OBS	1785	4335	2167	278	20	0	8585		8.5	1945	147	1787	196	1767	225	2315	203	
TOT PCT	20.8	50.5	25.2	3.2	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	09	18
N	5.9	6.7	1.8	.3	.0		14.7	9.6	12.1	11.7	17.4
NE	5.1	8.2	2.4	.2	.0		16.0	10.5	15.8	13.1	17.7
E	6.4	12.2	2.6	.3	.0		21.5	10.4	20.6	20.0	23.5
SE	4.0	6.0	1.3	.1	.0		11.4	9.8	11.3	13.1	11.5
S	2.5	2.4	.4	.0	.0		5.2	8.1	7.3	6.0	4.2
SW	2.1	1.6	.2	.0	.0		4.0	7.5	6.1	4.1	7.0
W	3.7	3.3	.3	.0	.0		7.3	7.7	8.6	8.2	5.6
NW	4.6	4.7	.5	.0	.0		9.9	8.0	8.3	9.2	10.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	10.0						10.0	.0	9.8	14.6	7.1
TOT OBS	3802	3876	822	82	3	8585		8.5	2092	1983	2516
TOT PCT	44.3	45.1	9.6	1.0	.0		100.0		100.0	100.0	100.0

DLPI00 (PRIME00) 1953-1979
 (OVER-ALL) 1872-1979

JULY

AREA C078 GULF OF T' VANTREC
 14.0N 98.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000Z	9.8	12.0	51.8	23.5	2.7	.3	.0	.0	8.2	100.0	2097
0500Z	14.5	12.5	51.9	19.0	1.9	.2	.0	.0	7.3	100.0	1983
1200Z	9.2	9.1	50.3	27.5	3.8	.5	.0	.0	9.0	100.0	1992
1400Z	7.1	6.9	48.5	35.0	4.3	.2	.0	.0	9.4	100.0	2518
TOT	857	928	4334	2167	278	70	0	0	8.5		6585
PCT	10.6	10.4	50.5	25.2	3.7	.2	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
 BY WIND DIRECTION

WIND DIR	2-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MFA, COVER
N	3.5	3.1	5.6	2.3		4.7
NE	7.9	3.4	5.9	3.7		5.1
E	2.9	3.7	9.1	6.3		5.6
SE	1.5	1.7	4.6	3.8		5.7
S	.7	1.2	2.2	1.8		5.8
SW	.5	.2	1.4	1.3		5.6
W	1.4	1.5	3.3	1.4		4.9
NW	2.1	2.5	3.3	1.7		4.7
VAR	.0	.0	.0	.0		.0
CALM	3.1	2.7	3.1	1.0		3.9
TOT OBS	1707	1333	2501	1510	6551	5.1
TOT PCT	10.4	20.3	36.7	23.0		170.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
 AN OCCURRENCE OF NM <5/8 BY WIND DIRECTION

CDC	150	300	500	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	699	1999	3499	4999	6499	7999		ANY HGT	OBS
.1	.	.2	.7	1.4	.5	.2	.1	.	.	11.1	
.1	.1	.	1.1	1.7	.6	.3	.1	.	.	11.3	
.2	.2	.5	2.1	3.0	1.2	.6	.1	.1	.	13.9	
.1	.	.4	1.3	1.6	.7	.3	.1	.1	.	7.1	
.1	.	.1	.4	.7	.3	.1	.1	.1	.	5.4	
.	.	.1	.4	.4	.1	.1	.1	.	.	2.5	
.	.	.1	.5	.0	.4	.1	.1	.	.	5.2	
.1	.1	.2	.6	.5	.1	.1	.	.	.	7.1	
.0	.	.0	.0	.0	.0	.0	.0	.0	.	.0	
.	.	.	.4	.5	.2	.1	.	.	.	8.5	
>G	36	126	501	7.7	295	122	47	28	27	4590	6551
.4	.5	1.9	7.6	11.3	4.5	1.9	.7	.4	.4	70.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
 OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >L
≥ OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
≥ OR >5000	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ OR >3500	2.9	3.2	3.3	3.3	3.3	3.3	3.3	3.3
≥ OR >2000	6.8	7.5	7.7	7.7	7.7	7.7	7.7	7.7
≥ OR >1000	15.9	18.4	18.8	18.9	18.9	19.0	19.0	19.0
≥ OR >600	21.5	25.6	26.3	26.4	26.5	26.5	26.6	26.6
≥ OR >300	22.6	27.1	28.1	28.3	28.4	28.4	28.5	28.5
≥ OR >150	22.9	27.6	28.6	28.6	28.9	29.0	29.0	29.0
≥ OR >0	23.1	28.0	29.2	29.5	29.6	29.7	29.8	29.8
TOTAL	1551	1879	1959	1975	1985	1990	1997	1997

TOTAL NUMBER OF OBS: 6706

PCT FREQ NM <5/8: 70.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
10.1	1.2	17.4	14.3	10.4	6.4	4.1	5.6	9.5	.4	7102

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

JULY

AREA: PUNTA GULF OF TEHUANTEPEC
14.0N 94.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1/2<1	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1<2	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
2<5	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
5<10	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
10+	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	NO PCP	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
TOT OBS													8149
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
5<10	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	4-10	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
	11-21	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
	22+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOT 1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10+	0-3	1.8	1.5	1.6	1.0	.9	.6	1.1	1.4	.0	.4	14.3	14.3
	4-10	7.6	7.5	10.2	5.7	2.7	2.3	4.2	5.7	.0	.0	45.9	45.9
	11-21	3.4	4.6	6.4	2.9	.8	.5	1.1	1.6	.0	.0	21.1	21.1
	22+	.8	.8	.4	.2	.1	.1	.1	.1	.0	.0	2.0	2.0
	TOT 1	13.5	14.4	18.6	9.9	4.5	3.4	6.5	8.9	.0	.4	83.3	83.3
TOT OBS													8363
TOT PCT													100.0

PLP100: (PRIORITY) 1953-1979
(OCCUP-ALL) 1877-1979

JULY

AREA NO 8 GULF OF TENUANI
14.04 94.6

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/8) AND
OCCURRENCE OF AM <5/6 BY HOUR

HOUR (GMT)	COU 145	150 299	300 599	600 999	1000 1999	2000 3999	3500 6499	5000 6499	6500 7999	8000+	TOTAL	AM <5/6 ANY 1/6	TOTAL OBS
00003	.8	.5	1.1	5.5	8.1	4.3	1.4	.8	.4	.3	23.6	77.0	1831
06009	.2	.4	1.5	6.7	9.7	3.6	1.6	.3	.5	.3	25.2	74.5	1496
12015	.1	.9	3.3	9.5	13.5	4.4	1.7	.3	.2	.6	35.4	64.6	1034
18021	.4	.3	1.5	8.0	11.9	4.7	2.1	.9	.5	.3	31.2	68.8	2011
TOT	.1	.36	1.79	5.13	7.55	2.99	1.74	.43	.29	.25	20.04	44.71	6975
PCT	.7	.5	1.6	7.4	10.6	4.0	1.6	.6	.4	.4	28.7	71.3	100.0

TABLE 11

PERCENT FREQUENCY VSPY (NM) 44 HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.1	.3	.2	1.1	5.5	92.8	2112
06009	.1	.1	.4	1.5	9.2	88.6	1964
12015	.7	.4	.4	2.9	12.2	83.6	1091
18021	.2	.1	.3	1.7	7.7	90.0	2495
TOT	.24	.17	.25	1.52	7.33	76.31	6582
PCT	.3	.2	.3	1.9	8.5	26.9	100.0

TABLE 17

CUMULATIVE PCT FREQ OF RANETS OF VSPY (NM) AND/OR
CEILING HGT (FEET, AM 24/8) BY HOUR

HOUR (GMT)	<1/2	<1000	<1000	1000+	AM <5/6 AND 5+	TOTAL OBS
00003	.8	2.6	8.6	15.7	75.6	1750
06009	.7	2.7	10.2	16.1	73.7	1447
12015	1.2	5.6	16.2	20.8	62.9	1560
18021	.5	3.0	11.7	20.7	67.6	1949
TOT	.52	2.30	7.78	12.36	46.92	6706
PCT	.6	3.4	11.6	18.4	70.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	.0	.0	.0	.0	5	.1
90/94	.0	.0	.0	.3	1.3	.0	.3	.1	193	2.9
85/89	.0	.0	.0	.3	5.2	15.7	4.0	.8	1732	26.0
80/84	.0	.0	.0	.0	2.7	24.6	37.0	4.4	4109	61.6
75/79	.0	.0	.0	.0	.0	.5	3.9	4.5	596	8.9
70/74	.0	.0	.0	.0	.0	.0	.0	.5	31	.5
TOTAL	0	0	1	38	614	2787	2544	678	6666	100.0
PCT	.0	.0	.0	.6	9.2	41.4	38.2	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.5	.4	.5	.3	.1	.1	.3	.2	.0	.4
5.1	4.6	4.5	2.0	1.0	.9	2.1	3.0	.0	2.9
8.3	9.5	13.9	7.4	3.4	2.2	4.4	5.8	.0	6.7
.7	1.6	2.7	1.5	.7	.4	.5	.7	.0	.2
.0	.1	.1	.0	.0	.0	.1	.1	.0	.0
14.7	16.2	21.7	11.2	5.3	3.6	7.4	9.7	.0	10.2

TABLE 15

PLANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	91	89	84	79	76	73	83.9	2132
06009	92	87	86	82	79	75	72	82.4	2335
12015	92	86	85	82	77	74	72	81.5	2022
18021	95	92	90	84	78	75	69	84.3	2549
TOT	95	91	88	83	78	75	69	83.1	8736

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.6	11.9	50.8	30.2	6.4	77	1726
06009	.0	.0	4.4	35.5	49.4	10.7	81	1588
12015	.0	.2	3.2	70.3	49.9	16.4	83	1606
18021	.0	1.3	15.6	48.7	26.5	7.8	77	1930
TOT	0	.0	6.29	28.88	26.18	6.95	79	6650

JULY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

TABLE 17

APLA 0076 GULF OF TENHUANTEPEC
14.0N 96.9WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.1	*	*	6	.0	.1
9/10	.0	.0	0	.1	*	.1	.1	30	.0	.4
7/8	.0	.0	.0	*	.3	.7	.1	82	.0	1.1
6	.0	.0	.0	*	.3	.4	*	56	.0	.7
5	.0	.0	*	.1	.8	.9	.1	143	.0	1.9
4	.0	.0	.1	.4	1.4	.7	.0	226	.0	3.0
3	.0	.0	*	.5	1.4	.7	.0	222	.0	3.0
2	.0	.0	.1	1.7	3.6	.3	.0	426	.0	5.7
1	.0	.0	.1	2.5	4.2	.1	.0	524	*	7.0
0	.0	.0	.2	4.6	4.7	.1	.0	1014	.1	13.5
-1	.0	*	.3	4.4	3.2	.1	.0	673	*	12.9
-2	.0	*	.5	12.3	1.6	*	.0	1127	*	15.0
-3	.0	.0	1.7	8.2	.4	*	.0	807	*	10.6
-4	.0	*	2.9	6.4	.3	.0	.0	722	*	9.6
-5	.0	.1	2.6	3.3	.2	.0	.0	474	.0	6.3
-6	*	.2	1.9	1.0	.1	.0	.0	237	.0	3.2
-7/-8	.0	.7	2.2	.8	.0	.0	.0	276	.0	3.7
-9/-10	.0	.6	.6	.1	.0	.0	.0	94	.0	1.3
-11/-13	*	.3	.1	*	.0	.0	.0	39	.0	.5
-14/-16	*	*	*	.0	.0	.0	.0	7	.0	.1
TOTAL	7	146	4155	1803	309	27		7493	.2	7462
PCT	.1	1.9	14.0	55.4	24.1	4.1	.4	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.3	.0	.0	.0	.0	3.2	.6	1.5	.1	.0	.0	.0	2.2
1-2	.5	4.8	.7	.0	.0	.0	5.9	.3	4.4	1.1	.0	.0	.0	5.4
3-4	.1	1.9	1.5	.1	.0	.0	3.6	*	2.1	2.4	.2	.0	.0	5.1
5-6	.0	.4	.9	.2	.1	.0	1.6	.0	.3	1.4	.4	.1	.0	2.2
7	.0	.0	.4	.2	.0	.0	.6	.0	.0	1.1	.4	.0	.0	1.5
8-9	.0	.1	.3	.2	.0	.0	.6	.0	.0	.2	.1	.0	.0	.2
10-11	.0	.0	*	*	.0	.0	.1	.0	.0	*	*	.1	.0	.1
12	.0	.0	*	.0	.0	.0	*	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	*	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	9.5	5.9	.8	.1	.0	15.7	.8	8.3	6.4	1.1	.2	.0	17.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.9	.1	.0	.0	.0	2.5	.4	.7	.0	.0	.0	.0	1.3
1-2	.4	7.0	1.4	.0	.0	.0	9.1	.3	2.0	.9	.0	.0	.0	3.6
3-4	.3	2.8	3.2	.1	.0	.0	6.4	.1	1.5	1.3	*	.0	.0	3.0
5-6	.1	.4	2.6	.3	.0	.0	3.4	.1	.5	1.3	.1	.0	.0	2.0
7	.0	.1	.6	*	.0	.0	.6	.0	.1	.2	.1	.0	.0	.4
8-9	.0	.0	.1	.2	.0	.0	.3	.0	.1	.1	.1	.0	.0	.2
10-11	.0	.0	.2	*	.0	.0	.2	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.9	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	12.2	9.6	.6	.0	.0	22.9	1.0	5.4	3.9	.4	.0	.0	10.4

PERIOD: (OVL-ALL) 1963-1979

TABLE 18 (CONT)

AREA C-08 GULF OF TEHUANTEPEC
14.34 94.96

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.4	.1	.0	.0	.0	.9	.2	.7	.0	.0	.0	.0	1.1
1-2	.8	1.4	.3	.0	.0	.0	2.1	.2	1.5	.7	.0	.0	.0	1.9
3-4	.1	.6	.4	.0	.0	.0	1.2	.1	.3	.3	.0	.0	.0	.7
5-6	.0	.2	.3	.0	.0	.0	.5	.0	.2	.1	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1	2.6	1.0	.0	.0	.0	6.8	.5	3.1	.7	.0	.0	.0	4.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.8	.0	.0	.0	.0	.0	1.3	.4	1.3	.1	.0	.0	.0	1.7	
1-2	.2	2.5	.5	.0	.0	.0	3.2	.6	2.7	.5	.0	.0	.0	3.7	
3-4	.0	1.1	.4	.0	.0	.0	1.6	.0	1.5	.5	.1	.0	.0	2.1	
5-6	.0	.3	.1	.0	.0	.0	.4	.0	.2	.7	.1	.0	.0	1.0	
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	4.6	1.0	.0	.0	.0	6.7	.9	5.0	1.8	.3	.0	.0	8.6	91.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.4	9.8	.2	.0	.0	.0	23.4	
1-2	3.3	26.6	5.6	.0	.0	.0	35.7	
3-4	.8	11.8	10.1	.0	.0	.0	23.3	
5-6	.2	2.5	7.2	1.1	.1	.0	11.2	
7	.0	.4	2.6	.4	.0	.0	3.9	
8-9	.0	.2	.8	.4	.0	.0	1.4	
10-11	.0	.0	.4	.2	.1	.0	.6	
12	.0	.0	.1	.7	.1	.0	.2	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.7	51.4	27.3	3.3	.2	.0	100.0	1713

PERIOD: (OVL-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.3	13.2	15.1	7.7	2.7	1.2	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2729	3
6-7	.1	1.9	8.1	6.4	4.3	1.4	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1528	5
8-9	.0	.7	2.6	3.0	1.9	1.0	.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	616	5
10-11	.0	.7	.9	1.0	.6	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	6
12-13	.0	.0	.7	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117	6
>13	.0	.0	.0	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	8
INDEX	5.6	1.1	2.1	1.7	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	701	2
TOTAL	608	1067	1776	1364	670	293	130	45	51	15	5	1	0	0	0	0	0	0	0	6025	4
PCT	10.1	17.7	29.5	22.6	11.1	4.9	2.2	.7	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVERALL) 1903-1979

AUGUST

AREA: NO. 4, GOLF OF TEXAS, WEST
INCH: 29.44

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
	RAIN	HAZ SMOG	DRIZ	FOG MCPN	SNOW MCPN	OTHER FALL SPN	HAIL	MCPN AT OR TIME	MCPN EAST MCPN	THUN LN	FOG MCPN	FOG AT MCPN	FOG AT MCPN	FOG AT MCPN	FOG AT MCPN	NO WFA
N	1.3	0	0	0	0	0	0	2.0	2.3	7.3	0	0	0	0	0	87.9
NE	1.2	1.7	1.7	0	0	0	0	6.0	7.4	6.6	0	0	0	0	0	84.2
E	4.8	2.1	1.3	0	0	0	0	8.0	4.0	6.7	0	0	0	0	0	90.0
SE	1.2	1.3	1.3	0	0	0	0	1.1	3.2	7.4	0	0	0	0	0	76.0
S	2.9	1.5	1.5	0	0	0	0	6.2	4.0	6.6	0	0	0	0	0	85.0
SW	1.9	1.1	1.0	0	0	0	0	14.2	7.8	6.1	0	0	0	0	0	73.0
W	1.1	1.7	1.9	0	0	0	0	4.1	2.6	4.6	0	0	0	0	0	74.0
NW	1.3	0	0	0	0	0	0	4.2	7.1	6.6	0	0	0	0	0	86.7
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	1.2	0	11.7	0	0	0	0	0	85.0
TOT PCT	2.4	1.4	1.1	0	0	0	0	6.4	2.9	7.5	0	0	0	0	0	74.0
TOT OBS	74.4															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIRECTION

WIND DIR	RAIN	HAZ SMOG	DRIZ	FOG MCPN	SNOW MCPN	OTHER FALL SPN	HAIL	MCPN AT OR TIME	MCPN EAST MCPN	THUN LN	FOG MCPN	FOG AT MCPN	FOG AT MCPN	FOG AT MCPN	FOG AT MCPN	NO WFA
0000	2.1	0	0	0	0	0	0	3.0	0	1.0	0	0	0	0	0	97.0
0600	2.5	1.2	0	0	0	0	0	4.0	1.3	19.9	0	0	0	0	0	76.0
1200	1.8	1.3	2.0	0	0	0	0	12.0	4.3	11.0	0	0	0	0	0	84.0
1800	1.0	1.1	1.0	0	0	0	0	6.0	7.0	7.0	0	0	0	0	0	84.0
TOT PCT	3.6	1.5	1.1	0	0	0	0	6.0	7.0	7.7	0	0	0	0	0	74.0
TOT OBS	4.0															

TABLE 3

PERCENT FREQUENCY OF WIND DIRECTION BY SPEED AND HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT OBS	MEAN SFD	HOUR TOTAL							
	0-5	6-10	11-15	16-20	21-25	26-30				00	03	06	09	12	15	18	21
N	1.0	6.7	3.6	0	0	0	12.3	0.6	11.3	3.3	9.2	12.1	16.7	15.0	1.0	0	0
NE	1.0	7.2	7.7	0	0	0	12.9	10.1	13.0	8.1	17.4	13.6	14.9	19.7	16.2	11.7	0
E	2.0	11.1	6.4	0	0	0	20.6	10.0	19.4	17.4	17.2	20.6	14.8	11.0	7.0	7.0	0
SE	1.3	7.2	5.7	0	0	0	12.0	9.8	14.0	14.9	14.8	14.8	14.8	11.0	11.0	0	0
S	0	0	2.1	0	0	0	2.1	0.1	2.1	6.8	6.3	6.1	6.7	5.4	4.5	1.5	0
SW	0	2.0	1.1	0	0	0	3.1	0.7	3.1	10.3	5.5	6.0	6.0	5.7	2.9	4.0	0
W	1.5	5.9	0	0	0	0	7.4	7.0	10.2	5.3	10.7	6.7	6.7	7.4	7.4	0	0
NW	1.6	6.6	1.0	0	0	0	10.2	7.0	8.2	6.7	9.2	5.8	11.7	11.7	12.7	0	0
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	10.2						10.2	0	10.2	12.0	14.6	9.6	11.4	11.4	11.4	0	0
TOT OBS	18.4	42.9	20.2	0	0	0	10.2	0	18.4	12.1	17.4	10.8	13.6	13.6	13.6	2.6	0
TOT PCT	21.7	51.0	24.6	0	0	0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT OBS	MEAN SFD	HOUR TOTAL			
	0-5	6-10	11-15	16-20	21-25	26-30				00	03	06	09
N	5.1	5.0	1.7	0	0	0	12.8	9.0	10.0	7.4	10.0	10.0	10.0
NE	4.5	7.4	1.4	0	0	0	13.4	10.1	14.7	17.4	14.7	14.7	14.7
E	6.0	11.0	2.1	0	0	0	20.1	10.0	19.3	17.4	17.4	17.4	17.4
SE	4.8	6.0	1.2	0	0	0	12.0	9.4	14.0	14.0	14.0	14.0	14.0
S	2.8	2.6	0	0	0	0	5.4	0.3	6.0	6.0	6.0	6.0	6.0
SW	2.4	2.1	0	0	0	0	4.5	0.7	6.0	6.0	6.0	6.0	6.0
W	4.8	4.1	0	0	0	0	8.9	7.5	10.1	10.1	10.1	10.1	10.1
NW	4.9	4.7	0	0	0	0	10.1	7.6	8.2	8.2	8.2	8.2	8.2
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	10.2						10.2	0	10.2	10.2	10.2	10.2	10.2
TOT OBS	28.8	17.7	6.0	0	0	0	63.0	0	63.0	63.0	63.0	63.0	63.0
TOT PCT	45.7	45.1	6.3	0	0	0	100.0	0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1957-1976
(OVER-ALL) 1950-1976

AVGUST

AREA CODE GULF OF GUATEMALA
14.00 94.00

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

TIME	CALM	1-5	6-10	11-20	21-30	31-40	41-50	51-60	MEAN	PCT	TOTAL
										FREQ	OBS
0000Z	10.4	11.2	55.8	22.2	2.2	0	0	0	7.9	100.0	2036
0600Z	8.5	14.5	43.7	19.1	1.7	0	0	0	7.1	100.0	1941
1200Z	9.4	10.3	40.0	25.6	1.3	0	0	0	8.6	100.0	1969
1800Z	7.1	10.1	49.7	26.1	2.4	0	0	0	9.1	100.0	2401
TOT	8.6	9.6	42.9	23.5	2.1	0	0	0	8.2		6247
PCT	10.2	11.5	41.3	24.0	2.4	0	0	0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-9	TOTAL	MEAN
					OBS	CLOUD
N	3.1	1.4	4.2	1.7	10.4	4.5
NE	2.8	2.1	5.4	2.6	12.9	4.9
E	2.4	4.1	5.7	4.3	16.5	7.5
SE	1.7	2.1	5.8	3.7	13.3	6.6
S	4.6	1.0	2.6	1.7	9.9	5.7
SW	4.0	4.6	2.1	1.4	12.1	7.0
W	1.7	1.4	3.4	1.9	8.4	4.1
WSW	2.3	2.4	3.3	1.5	9.5	4.5
VAD	0.0	0.0	0.0	0.0	0.0	0.0
CALM	1.0	2.5	2.2	0.8	6.5	2.8
TOT OBS	4196	1344	2465	1336	6413	5.2
TOT PCT	10.6	21.6	38.4	17.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. M 34/8)
AND OCCURRENCE OF AM 45/8 BY WIND DIRECTION

WIND DIR	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	TOTAL
																				OBS
N	0.1	0.7	0.1	0.8	1.2	0.4	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	10.1
NE	0.1	0	0.2	1.0	1.1	0.5	0.4	0.1	0	0	0	0	0	0	0	0	0	0	0	10.3
E	0.1	0.1	0.4	7.0	2.6	0.4	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	13.3
SE	0.1	0.1	0.1	1.5	1.6	0.7	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	7.6
S	0.1	0	0.1	0.6	0.8	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	3.8
SW	0.1	0	0.1	0.6	0.8	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	2.5
W	0.1	0	0.3	0.9	0.9	0.5	0.2	0	0	0	0	0	0	0	0	0	0	0	0	6.2
WSW	0	0	0.2	0.5	0.8	0.5	0.1	0	0	0	0	0	0	0	0	0	0	0	0	7.6
VAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	56	21	126	539	577	265	126	34	23	19	4523	6413								
TOT PCT	0.6	0.3	2.0	6.4	10.6	4.1	2.0	0.6	0.4	0.3	70.5	100.0								

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (M 34/8) AND VSBY (M)

CEILING (FEET)	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R	≥ 0R
	≥ 10	≥ 5	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
≥ 0R 36500	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
≥ 0R 35000	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 0R 33500	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ 0R 32000	6.5	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2
≥ 0R 31000	15.3	17.2	17.5	17.6	17.7	17.7	17.7	17.7	17.7
≥ 0R 30000	21.2	25.0	25.7	25.9	25.9	25.9	25.9	25.9	25.9
≥ 0R 29000	22.4	26.7	27.4	27.6	27.6	27.6	27.6	27.6	27.6
≥ 0R 28000	22.8	27.0	27.7	28.1	28.1	28.1	28.1	28.1	28.1
≥ 0R 27000	22.8	27.0	27.7	28.1	28.1	28.1	28.1	28.1	28.1
TOTAL	1504	1816	1876	1896	1904	1909	1912	1913	1913

TOTAL NUMBER OF OBS. 6596

PCT FREQ AM 45/8: 71.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	TOTAL
											OBS
F.1	17.6	19.1	14.9	10.2	6.8	7.3	5.9	8.7	0.1	0.1	6978

PERIOD (PRIMARY) 1953-1979
(OVER-ALL) 1907-1979

AUGUST

TABLE 8

AREA QU'G GULF OF GUANAJUATO
14.0N 94.0W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													7678
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													8697
TOT PCT													100.0

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DESCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND
OCCURRENCE OF AN 12/6 BY HOUR

[illegible]

TABLE II

PERCENT FREQUENCY VS. TIME BY HOUR

MCU (CUT)	1/2	1/241	1/2	2/5	1/10	10	TOTAL 0%
2045	.1	.	.5	1.1	4.1	93.3	2057
2046	.7	.4	.2	1.2	7.4	90.6	1937
2047	.5	.2	1.	2.1	13.5	42.8	1984
1942	.3	.1	.0	1.1	2.0	89.4	2345
101	19	12	46	113	725	7478	8341
951	.2	.1	.0	1.0	8.7	88.1	10042

1406 17

CUMULATIVE DCI FREQ OF RANGS OF VSRV (1-4) AND/OR
CEILING DCI FREQUENCY 24/81.67 HOUR

Age (yr)	<15 <57%	16-20 11	21-25 65	26-30 16%	31-35 20%	Total 54%
20-25	.6	2.1	6.5	13.1	78.7	1736
26-30	.9	2.2	6.5	14.7	75.7	1466
31-35	1.2	4.8	17.0	19.6	63.3	1592
36-40	.7	3.3	12.7	25.9	66.4	1443
41-45	.55	2.5	7.6	11.56	67.7	6546
46-50	.8	3.1	12.0	17.2	70.0	1200.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

[illegible]

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PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

PERCENT FREQUENCY OF DAYS OF RAIN									
%	4E	E	SE	S	SW	W	NW	VAR	CALM
0	0	0	0	0	0	0	0	0.0	0.0
0.5	0.3	0.5	1.1	2.1	0	0	0.4	0.0	0.0
1.1	1.2	0.5	2.5	1.3	0.9	2.7	3.1	0.0	2.0
7.2	7.4	13.5	6.2	3.5	3.1	5.3	6.0	0.0	6.9
17	1.2	1.1	3.4	0	0	0.0	0.0	0.0	0.0
0	0	1.1	1.1	0	0	0	0.0	0.0	0.0
100.5	100.6	100.8	100.0	50.7	50.0	60.3	100.2	0.0	100.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMPERATURE BY HOUR

GROUP	AGE	SEX	DATE	ST	IN	OUT	TOTAL
1001	45	51	89	79	76	70	225
1002	46	52	90	80	77	71	228
1003	47	53	91	81	78	72	231
1004	48	54	92	82	79	73	234
1005	49	55	93	83	80	74	237
1006	50	56	94	84	81	75	240
1007	51	57	95	85	82	76	243
1008	52	58	96	86	83	77	246
1009	53	59	97	87	84	78	249
1010	54	60	98	88	85	79	252
1011	55	61	99	89	86	80	255
1012	56	62	100	90	87	81	258
1013	57	63	101	91	88	82	261
1014	58	64	102	92	89	83	264
1015	59	65	103	93	90	84	267
1016	60	66	104	94	91	85	270
1017	61	67	105	95	92	86	273
1018	62	68	106	96	93	87	276
1019	63	69	107	97	94	88	279
1020	64	70	108	98	95	89	282
1021	65	71	109	99	96	90	285
1022	66	72	110	100	97	91	288
1023	67	73	111	101	98	92	291
1024	68	74	112	102	99	93	294
1025	69	75	113	103	100	94	297
1026	70	76	114	104	101	95	300
1027	71	77	115	105	102	96	303
1028	72	78	116	106	103	97	306
1029	73	79	117	107	104	98	309
1030	74	80	118	108	105	99	312
1031	75	81	119	109	106	100	315
1032	76	82	120	110	107	101	318
1033	77	83	121	111	108	102	321
1034	78	84	122	112	109	103	324
1035	79	85	123	113	110	104	327
1036	80	86	124	114	111	105	330
1037	81	87	125	115	112	106	333
1038	82	88	126	116	113	107	336
1039	83	89	127	117	114	108	339
1040	84	90	128	118	115	109	342
1041	85	91	129	119	116	110	345
1042	86	92	130	120	117	111	348
1043	87	93	131	121	118	112	351
1044	88	94	132	122	119	113	354
1045	89	95	133	123	120	114	357
1046	90	96	134	124	121	115	360
1047	91	97	135	125	122	116	363
1048	92	98	136	126	123	117	366
1049	93	99	137	127	124	118	369
1050	94	100	138	128	125	119	372
1051	95	101	139	129	126	120	375
1052	96	102	140	130	127	121	378
1053	97	103	141	131	128	122	381
1054	98	104	142	132	129	123	384
1055	99	105	143	133	130	124	387
1056	100	106	144	134	131	125	390
1057	101	107	145	135	132	126	393
1058	102	108	146	136	133	127	396
1059	103	109	147	137	134	128	399
1060	104	110	148	138	135	129	402
1061	105	111	149	139	136	130	405
1062	106	112	150	140	137	131	408
1063	107	113	151	141	138	132	411
1064	108	114	152	142	139	133	414
1065	109	115	153	143	140	134	417
1066	110	116	154	144	141	135	420
1067	111	117	155	145	142	136	423
1068	112	118	156	146	143	137	426
1069	113	119	157	147	144	138	429
1070	114	120	158	148	145	139	432
1071	115	121	159	149	146	140	435
1072	116	122	160	150	147	141	438
1073	117	123	161	151	148	142	441
1074	118	124	162	152	149	143	444
1075	119	125	163	153	150	144	447
1076	120	126	164	154	151	145	450
1077	121	127	165	155	152	146	453
1078	122	128	166	156	153	147	456
1079	123	129	167	157	154	148	459
1080	124	130	168	158	155	149	462
1081	125	131	169	159	156	150	465
1082	126	132	170	160	157	151	468
1083	127	133	171	161	158	152	471
1084	128	134	172	162	159	153	474
1085	129	135	173	163	160	154	477
1086	130	136	174	164	161	155	480
1087	131	137	175	165	162	156	483
1088	132	138	176	166	163	157	486
1089	133	139	177	167	164	158	489
1090	134	140	178	168	165	159	492
1091	135	141	179	169	166	160	495
1092	136	142	180	170	167	161	498
1093	137	143	181	171	168	162	501
1094	138	144	182	172	169	163	504
1095	139	145	183	173	170	164	507
1096	140	146	184	174	171	165	510
1097	141	147	185	175	172	166	513
1098	142	148	186	176	173	167	516
1099	143	149	187	177	174	168	519
1100	144	150	188	178	175	169	522
1101	145	151	189	179	176	170	525
1102	146	152	190	180	177	171	528
1103	147	153	191	181	178	172	531
1104	148	154	192	182	179	173	534
1105	149	155	193	183	180	174	537
1106	150	156	194	184	181	175	540
1107	151	157	195	185	182	176	543
1108	152	158	196	186	183	177	546
1109	153	159	197	187	184	178	549
1110	154	160	198	188	185	179	552
1111	155	161	199	189	186	180	555
1112	156	162	200	190	187	181	558
1113	157	163	201	191	188	182	561
1114	158	164	202	192	189	183	564
1115	159	165	203	193	190	184	567
1116	160	166	204	194	191	185	570
1117	161	167	205	195	192	186	573
1118	162	168	206	196	193	187	576
1119	163	169	207	197	194	188	579
1120	164	170	208	198	195	189	582
1121	165	171	209	199	196	190	585
1122	166	172	210	200	197	191	588
1123	167	173	211	201	198	192	591
1124	168	174	212	202	199	193	594
1125	169	175	213	203	200	194	597
1126	170	176	214	204	201	195	600
1127	171	177	215	205	202	196	603
1128	172	178	216	206	203	197	606
1129	173	179	217	207	204	198	609
1130	174	180	218	208	205	199	612
1131	175	181	219	209	206	200	615
1132	176	182	220	210	207	201	618
1133	177	183	221	211	208	202	621
1134	178	184	222	212	209	203	624
1135	179	185	223	213	210	204	627
1136	180	186	224	214	211	205	630
1137	181	187	225	215	212	206	633
1138	182	188	226	216	213	207	636
1139	183	189	227	217	214	208	639
1140	184	190	228	218	215	209	642
1141	185	191	229	219	216	210	645
1142	186	192	230	220	217	211	648
1143	187	193	231	221	218	212	651
1144	188	194	232	222	219	213	654
1145	189	195	233	223	220	214	657
1146	190	196	234	224	221	215	660
1147	191	197	235	225	222	216	663
1148	192	198	236	226	223	217	666
1149	193	199	237	227	224	218	669
1150	194	200	238	228	225	219	672
1151	195	201	239	229	226	220	675
1152	196	202	240	230	227	221	678
1153	197	203	241	231	228	222	681
1154	198	204	242	232	229	223	684
1155	199	205	243	233	230	224	687
1156	200	206	244	234	231	225	690
1157	201	207	245	235	232	226	693
1158	202	208	246	236	233	227	696
1159	203	209	247	237	234	228	699
1160	204	210	248	238	235	229	702
1161	205	211	249	239	236	230	705
1162	206	212	250	240	237	231	708
1163	207	213	251	241	238	232	711
1164	208	214	252	242	239	233	714
1165	209	215	253	243	240	234	717
1166	210	216	254	244	241	235	720
1167	211	217	255	245	242	236	723
1168	212	218	256	246	243	237	726
1169	213	219	257	247	244	238	729
1170	214	220	258	248	245	239	732
1171	215	221	259	249	246	240	735
1172	216	222	260	250	247	241	738
1173	217	223	261	251	248	242	741
1174	218	224	262	252	249	243	744
1175	219	225	263	253	250	244	747
1176	220	226	264	254	251	245	750
1177	221	227	265	255	252	246	753
1178	222	228	266	256	253	247	756
1179	223	229	267	257	254	248	759
1180	224	230	268	258	255	249	762
1181	225	231	269	259	256	250	765
1182	226	232	27				

TABLE 10

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

WEEK	0-24	25-49	50-64	65-74	80-89	90-100	MEAN	TOTAL HRS
WEEK 1	0.0	0.0	11.3	11.0	29.7	8.0	77	1220
WEEK 2	0.0	0.1	4.5	10.6	46.3	43.5	80	1510
WEEK 3	0.0	0.0	2.2	6.0	11.6	16.2	83	1620
WEEK 4	0.0	1.2	15.7	4.3	25.3	7.5	76	1432
WEEK 5	0.0	3.0	56.6	40.1	25.2	65.6	70	8720

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1900-1974

AREA 2000 GOLF OF MEXICAN(C
10000 50000

FOR FREQ OF AIR TEMPERATURE (C/F) AND THE OCCURRENCE OF FOG (ALL LOT -DEFINITION)
IS AIR-SEA TEMPERATURE DIFFERENCE (C/F)

[illegible]

14026 22

PC1 PLOT OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

[illegible]

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA: GULF OF TENHUATEPEC
14-0N 96-0W

TABLE 18 (CONT.)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.1	.8	.1	.1	.1	.1	.4	.2	.3	.7	.1	.1	.1	.6
1-2	.3	.1	.1	.1	.1	.1	2.8	.1	1.7	.7	.1	.1	.1	1.4
3-4	.1	.7	.7	.1	.1	.1	1.4	.2	.7	.4	.1	.1	.1	1.7
5-6	.1	.1	.1	.1	.1	.1	1.7	.1	.1	.7	.1	.1	.1	.5
7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
8-9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
10-11	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
12	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
13-16	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17-19	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
20-22	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
23-25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
26-32	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
33-40	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
41-48	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
49-60	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
61-70	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
71-86	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
87+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
TOT PCT	.1	1.0	2.1	.1	.1	.1	6.3	.5	2.6	1.1	.3	.2	.1	4.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.1	1.4	.1	.1	.1	.1	1.6	.1	1.3	.1	.1	.1	.1	1.6	
1-2	.1	2.9	.1	.1	.1	.1	3.6	.1	2.5	.1	.1	.1	.1	3.7	
3-4	.1	.1	1.7	.1	.1	.1	1.9	.1	1.0	.6	.1	.1	.1	1.7	
5-6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
8-9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
10-11	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
12	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
13-16	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
17-19	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
20-22	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
23-25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
26-32	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
33-40	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
41-48	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
49-60	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
61-70	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
71-86	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
87+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
TOT PCT	.1	5.4	1.9	.1	.1	.1	8.1	1.4	4.9	1.7	.1	.1	.1	8.1	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
C1	13.5	9.2	.3	.7	.1	.1	22.1	
1-2	3.9	24.4	5.6	.7	.1	.1	34.8	
3-4	1.3	13.7	12.1	.3	.1	.1	26.5	
5-6	.7	2.2	8.1	1.1	.1	.1	9.5	
7	.1	.1	2.1	.5	.1	.1	3.6	
8-9	.1	.1	.1	.1	.1	.1	1.3	
10-11	.1	.1	.1	.1	.1	.1	.1	
12	.1	.1	.1	.1	.1	.1	.1	
13-16	.1	.1	.1	.1	.1	.1	.1	
17-19	.1	.1	.1	.1	.1	.1	.1	
20-22	.1	.1	.1	.1	.1	.1	.1	
23-25	.1	.1	.1	.1	.1	.1	.1	
26-32	.1	.1	.1	.1	.1	.1	.1	
33-40	.1	.1	.1	.1	.1	.1	.1	
41-48	.1	.1	.1	.1	.1	.1	.1	
49-60	.1	.1	.1	.1	.1	.1	.1	
61-70	.1	.1	.1	.1	.1	.1	.1	
71-86	.1	.1	.1	.1	.1	.1	.1	
87+	.1	.1	.1	.1	.1	.1	.1	
TOT PCT	14.5	50.4	26.2	2.6	.3	.1	102.0	1459

PERIOD: (OVER-ALL) 1944-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	C1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
4-6	.7	13.3	14.7	7.0	2.7	1.1	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2632	3
6-7	.2	2.2	4.6	4.2	3.9	1.8	.7	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1562	5
8-9	.1	.7	2.8	3.6	7.5	1.0	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	634	5
10-11	.1	.1	1.0	1.0	.7	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	240	5
12-13	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	90	5
14-15	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	87	8
16-17	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	724	2
TOTAL	861	1362	1767	1274	694	278	119	66	76	10	4	2	3	0	0	0	0	0	0	0	5931	4
PCT	11.1	17.4	20.1	15.5	10.4	6.7	2.0	.8	.7	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	100.0	

PERIOD: (PRIMARY) 1955-1976
(OBT-ALL) 1886-1976

SECTION 2

WIND FLUX, CUMULATIVE TEMPERATURE
1955-1976

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN	DRZL	FG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THDR	FOG	FOG	SPRKY	SPRKY
	SHR	SHR		PCPN	PCPN	PCPN		SE TIME	HR	LTG	PCPN	PCPN	HRZ	PLG
N	3.4	2.4	1.3	.0	.0	.0	.0	6.7	3.7	5.0	.3	.0	.0	43.4
NE	4.3	2.6	1.2	.0	.0	.0	.0	7.4	4.5	4.6	.2	.0	.0	42.4
E	6.0	3.5	2.0	.0	.0	.0	.0	11.4	4.8	4.4	.1	.0	.0	74.4
SE	6.4	3.4	1.4	.0	.0	.0	.0	11.4	4.1	5.4	.1	.0	.0	74.4
S	7.4	4.7	3.4	.0	.0	.0	.0	15.3	4.1	3.4	.2	.0	.0	74.4
SW	8.4	6.4	4.5	.0	.0	.0	.0	15.3	5.4	3.7	.4	.0	.0	74.4
W	6.4	3.2	2.5	.0	.0	.0	.0	12.4	4.1	4.4	.2	.0	.0	77.4
NW	5.4	2.7	2.3	.0	.0	.0	.0	10.1	4.1	7.4	.2	.0	.0	74.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7	.3	.4	.0	.0	.0	.0	1.4	2.4	4.1	.1	.0	.0	47.4
TOT PCT	4.5	3.1	2.1	.0	.0	.0	.0	10.7	4.7	5.2	.2	.0	.0	74.4
TOT OBS	74.3													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN	DRZL	FG	SNOW	OTHER	HAIL	PCPN AT	PCPN PAST	THDR	FOG	FOG	SPRKY	SPRKY
	SHR	SHR		PCPN	PCPN	PCPN		SE TIME	HR	LTG	PCPN	PCPN	HRZ	PLG
0000	3.4	2.4	1.4	.0	.0	.0	.0	7.7	2.5	.4	.1	.0	.0	47.4
0600	4.7	2.5	2.2	.0	.0	.0	.0	4.4	4.5	14.7	.2	.0	.0	74.4
1200	4.4	4.5	2.4	.0	.0	.0	.0	14.4	5.4	7.4	.3	.0	.0	44.4
1800	4.4	2.4	1.4	.0	.0	.0	.0	4.4	4.7	.4	.2	.0	.0	44.4
TOT PCT	4.5	3.2	2.1	.0	.0	.0	.0	10.7	4.4	5.5	.2	.0	.0	74.4
TOT OBS	74.3													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	WIND	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	06	12	18	24		
								OBS	PREC	SPD							
N	1.4	4.4	2.4	.7	.0	.0		10.3	10.4	4.4	4.4	7.5	7.0	11.4	11.4	12.4	4.4
NE	1.0	4.5	3.5	.8	.0	.0		11.0	11.3	4.1	4.3	7.1	6.4	10.4	10.4	14.5	11.5
E	1.4	4.2	5.0	.7	.0	.0		15.4	15.1	14.4	14.4	14.3	11.2	14.2	15.4	17.5	14.2
SE	1.3	5.4	2.4	.1	.0	.0		6.7	4.4	11.1	8.5	10.4	11.4	7.4	7.4	4.2	7.0
S	.4	4.1	1.4	.1	.0	.0		7.0	4.4	4.4	4.4	4.4	4.4	7.4	5.4	4.4	
SW	1.0	4.2	2.7	.4	.0	.0		4.4	4.4	11.3	11.1	4.7	4.4	7.4	11.4	4.4	13.1
W	1.7	4.4	5.1	.5	.0	.0		14.3	4.4	14.1	17.4	17.4	14.4	14.2	13.4	14.4	
NW	1.4	7.0	2.7	.3	.0	.0		13.3	4.7	4.5	13.4	10.5	14.2	13.4	14.2	13.4	13.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5							4.5	.0	4.2	10.2	14.0	13.0	4.4	10.4	4.4	4.2
TOT OBS	14.8	40.3	21.4	2.4	.0	.0		116.3	4.4	14.3	14.7	17.2	19.2	14.4	14.4	21.4	19.4
TOT PCT	19.8	50.3	24.0	7.7	.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	WIND	HOUR (GMT)						
	0-6	7-16	17-27	28-40	41+						00	06	12	18	24		
								OBS	PREC	SPD							
N	4.2	4.2	3.5	.4	.0			10.3	10.4	4.4	7.5	7.0	11.4	11.4	12.4	4.4	
NE	3.3	5.5	2.0	.2	.0			11.0	11.3	4.1	7.1	6.4	10.4	10.4	14.5	11.5	
E	5.3	4.3	1.4	.2	.0			15.4	15.1	14.4	14.4	14.3	11.2	14.2	15.4	17.5	
SE	4.0	4.4	.4	.0	.0			6.7	4.4	11.1	8.5	10.4	11.4	7.4	7.4	4.2	
S	3.0	3.4	.5	.0	.0			7.0	4.4	4.4	4.4	4.4	4.4	7.4	5.4	4.4	
SW	3.3	4.4	1.1	.1	.0			4.4	4.4	11.3	11.1	4.7	4.4	7.4	11.4	4.4	
W	5.4	4.7	1.4	.2	.0			14.3	4.4	14.1	17.4	17.4	14.4	14.2	13.4	14.4	
NW	5.3	5.3	.4	.1	.0			13.3	4.7	4.5	13.4	10.5	14.2	13.4	14.2	13.4	
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.5							4.5	.0	4.2	10.2	14.0	13.0	4.4	10.4	4.4	
TOT OBS	35.25	34.78	8.55	.46	.4			81.63	4.4	14.3	14.7	17.2	19.2	14.4	14.4	21.4	
TOT PCT	43.2	43.1	10.5	1.2	.1			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	

1846

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1246 2

PER FEE OF TOTAL CLOUD AMOUNT (1010751)					
BY WITH DISCOUNT					
DATE	DATE	DATE	DATE	TOTAL	PERCENT
DATE	DATE	DATE	DATE	DATE	DATE
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	7			

• 4528 •

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1000 500000 20 5000 10000

201 0610 5- 14/1: 12.3

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PERCENTAGE PAID BY THE CLASSEES (RECEIPTS)										TOTAL
1	2	3	4	5	6	7	8	9	BASED	PAID
6.0	11.1	17.6	15.1	11.9	9.3	9.3	7.7	12.0	1.5	673

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1986-1976

AREA OCT'S GULF OF GUANAJUATO
14.04 94.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													7673
TOT PCT		10.0	11.3	15.7	9.7	6.9	6.5	16.2	11.2	0	9.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													7655
TOT PCT		10.0	11.3	15.7	9.7	6.9	6.5	16.2	11.2	0	9.1	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1886-1979

SEPTEMBER

AREA CODE GULF OF GUANAJUATO
14.0N 96.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/8) AND
OCCURRENCE OF AM 25/8 BY HOUR

HOURLY (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 6999	5000 6999	6500 7999	8000+	TOTAL	AM 25/8 ANY HGT	TOTAL OBS
00003	.7	.3	2.1	8.0	12.6	4.5	1.6	.2	.3	.1	30.4	64.6	1789
06009	1.3	.4	2.0	10.5	12.4	3.8	1.3	.4	.4	.4	33.5	61.5	1417
12015	1.6	.5	3.6	12.9	15.6	5.7	2.2	.5	.3	.1	43.1	56.9	1512
18021	1.4	.6	2.5	11.2	15.0	5.2	2.4	.6	.3	.1	39.4	60.6	1871
TOT	62	31	165	697	924	318	126	33	19	11	2406	4183	6589
PCT	1.2	.5	2.5	10.6	14.0	4.8	1.9	.5	.3	.2	37.5	63.2	100.0

TABLE 11

PERCENT FREQUENCY VSRY (AM) BY HOUR

HOURLY (GMT)	<1/2	1/2<1	1<2	2<5	5<17	10+	TOTAL OBS
00003	.4	.2	.7	1.4	6.6	84.5	2043
06009	.3	.4	.6	2.4	13.3	83.0	1927
12015	.3	.4	.3	3.6	15.8	79.7	1866
18021	.4	.4	.4	2.1	9.6	86.6	2312
TOT	29	29	52	191	950	6497	8148
PCT	.4	.4	.6	2.3	11.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (AM) AND/OR
CEILING HGT (FEET, AM 24/8) BY HOUR

HOURLY (GMT)	<150 <5070	<600 <1	<1000 <5	<1000+ AND 5+	AM 25/8 AND 5+	TOTAL OBS
00003	.8	3.7	12.3	19.4	68.4	1726
06009	1.4	4.0	15.7	19.3	65.0	1359
12015	1.6	6.0	20.2	24.4	55.4	1460
18021	1.5	4.8	17.0	23.7	59.3	1806
TOT	63	291	1028	1360	3943	6551
PCT	1.3	4.6	16.2	21.7	62.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
90/94	.0	.0	.0	.2	.6	.5	.2	.0	91	1.4
85/89	.0	.0	.0	.2	2.9	11.1	2.7	.5	1093	17.3
80/84	.0	.0	.0	.1	2.5	25.4	32.0	5.4	4132	65.4
75/79	.0	.0	.0	.0	.0	.9	6.7	7.8	974	15.4
70/74	.0	.0	.0	.0	.0	.0	.4	.4	29	.5
TOTAL	0	0	0	26	384	2395	2624	897	6321	100.0
PCT	.0	.0	.0	.4	6.1	37.9	41.5	14.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.2	.2	.1	.1	.1	.3	.2	.0	.1
85/89	2.4	2.4	2.7	1.5	.9	1.0	2.5	2.3	.0	1.6
80/84	6.3	7.2	10.3	6.5	4.8	5.6	10.9	6.9	.0	6.8
75/79	1.1	1.4	2.2	1.5	1.4	2.6	2.9	1.6	.0	.6
70/74	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
TOTAL	10.0	11.3	15.5	9.7	7.3	9.3	16.6	11.1	.0	9.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURLY (GMT)	MAX	90%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	90	87	83	78	75	69	82.7	2058
06009	89	86	84	82	77	75	71	81.5	1970
12015	92	86	84	81	76	75	68	80.8	1898
18021	95	91	89	84	78	75	70	83.7	2372
TOT	95	90	87	82	77	75	68	82.3	8298

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURLY (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.5	6.9	45.2	35.6	11.6	.0	.0	1692	
06009	.0	.0	3.0	32.5	50.1	14.4	.0	.0	1491	
12015	.0	.2	2.2	24.9	51.6	21.1	.0	.0	1520	
18021	.0	.8	11.5	47.1	30.7	9.9	.0	.0	1782	
TOT	0	26	400	2466	2684	909	81	6485		

SEPTEMBER

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1986-1979

APLA ODCS GULF OF TEHUANTEPEC
14.04 98.9

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	% FOG	% FOG
11/15	.0	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
9/10	.0	.0	.0	.0	.1	.1	.1	.1	16	.0	.3
7/8	.0	.0	.0	.0	.1	.1	.1	.1	42	.0	.6
6	.0	.0	.0	.0	.1	.2	.2	.0	31	.0	.4
5	.0	.0	.0	.1	.2	.8	.4	.0	101	.0	1.4
4	.0	.0	.0	.0	.6	1.0	.4	.0	146	.0	2.0
3	.0	.0	.0	.1	.4	1.4	.4	.0	165	.0	2.3
2	.0	.0	.0	.0	2.1	2.6	.2	.0	372	.0	5.3
1	.0	.0	.0	.0	3.0	2.5	.1	.0	401	.0	5.6
0	.0	.0	.0	.0	7.7	8.4	3.3	.1	681	.0	12.4
-1	.0	.0	.1	.8	8.5	2.0	.0	.0	805	.1	11.3
-2	.0	.0	.0	2.2	12.0	1.2	.0	.0	1099	.0	15.5
-3	.0	.0	.0	1.1	2.6	6.2	.4	.0	600	.0	11.3
-4	.0	.0	.2	3.6	6.2	.2	.0	.0	760	.0	10.7
-5	.0	.0	.2	3.9	4.0	.1	.0	.0	561	.0	8.4
-6	.0	.0	.3	3.0	1.4	.0	.0	.0	337	.0	4.8
-7/-4	.0	.0	1.0	3.5	.6	.0	.0	.0	342	.0	5.4
-9/-10	.0	.0	.7	.7	.1	.0	.0	.0	111	.0	1.6
-11/-13	.0	.0	.3	.2	.0	.0	.0	.0	33	.0	.5
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	1	7	201	1556	1143	147	15	7076	13	7063	
PCT	.0	.1	2.2	22.0	56.6	16.2	2.1	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.4	.1	.0	.0	.0	1.3	.4	.6	.0	.0	.0	.0	1.0
1-2	.3	3.1	.2	.0	.0	.0	3.5	.3	2.4	.8	.0	.0	.0	3.5
3-4	.1	.6	.6	.2	.0	.0	2.0	.1	1.2	1.3	.0	.0	.0	2.6
5-6	.0	.3	.6	.1	.0	.0	.9	.0	.2	1.3	.2	.1	.0	1.7
7	.0	.1	.3	.3	.0	.0	.7	.0	.4	.2	.3	.0	.0	.5
8-9	.0	.1	.1	.0	.0	.0	.2	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.1	2.0	.9	.2	.0	9.1	.7	4.4	3.9	.8	.1	.0	9.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.4	.1	.0	.0	.0	2.2	.4	.9	.0	.0	.0	.0	1.3
1-2	.3	3.5	1.5	.0	.0	.0	3.5	.3	2.7	.9	.0	.0	.0	3.9
3-4	.1	1.6	1.7	.0	.0	.0	3.4	.1	1.2	.6	.0	.0	.0	1.9
5-6	.0	.6	1.2	.3	.0	.0	2.1	.0	.3	1.1	.0	.0	.0	1.5
7	.0	.2	.3	.2	.1	.0	.7	.0	.1	.2	.0	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.3	5.2	.6	.1	.0	14.4	.8	5.1	3.0	.1	.0	.0	9.1

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

AREA C-08 GULF OF TENQUANTEPEC
14.0N 94.0W

TABLE 18 (CONT)

PCI FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCI	1-3	4-10	11-21	22-33	34-47	48+	PCI
<1	.5	1.1	.1	.0	.0	.0	1.7	.5	.9	.1	.0	.0	.0	1.5
1-2	.3	2.0	.3	.0	.0	.0	2.7	.1	3.3	.4	.0	.0	.0	4.3
3-4	.0	1.4	.4	.0	.0	.0	2.0	.0	1.4	1.7	.1	.0	.0	2.7
5-6	.0	.4	.7	.1	.0	.0	1.2	.1	.1	.8	.3	.0	.0	1.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.6	.2	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.1	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCI	.9	4.8	1.9	.1	.0	.0	7.8	.7	5.9	3.8	.7	.1	.0	11.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCI	1-3	4-10	11-21	22-33	34-47	48+	PCI	TOTAL PCI
<1	.6	1.5	.1	.0	.0	.0	2.2	.6	1.2	.0	.0	.0	.0	1.8	
1-2	.9	4.2	.9	.0	.0	.0	6.1	.4	3.2	.7	.0	.0	.0	4.3	
3-4	.2	2.5	2.1	.1	.0	.0	4.9	.1	1.0	1.2	.1	.0	.0	2.5	
5-6	.0	.4	1.9	.2	.0	.0	2.5	.0	.3	.8	.0	.0	.0	1.1	
7	.0	.2	1.3	.3	.0	.0	1.8	.0	.1	.2	.1	.0	.0	.4	
8-9	.0	.0	.2	.0	.1	.0	.3	.0	.0	.1	.1	.0	.0	.1	
10-11	.0	.0	.1	.2	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCI	1.7	6.8	6.5	.9	.1	.0	18.0	1.2	6.6	2.9	.4	.0	.0	10.4	90.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCI	TOT 085
<1	14.8	8.2	.5	.0	.0	.0	.0	23.5
1-2	3.4	24.1	6.0	.0	.0	.0	.0	33.6
3-4	.6	11.2	9.2	.6	.0	.0	.0	21.6
5-6	.1	2.5	8.2	1.2	.1	.0	.0	12.0
7	.0	.7	3.3	1.2	.1	.1	.0	5.3
8-9	.0	.1	1.0	.4	.1	.0	.0	1.6
10-11	.0	.0	.2	.5	.2	.0	.0	.9
12	.0	.0	.2	.1	.1	.0	.0	.4
13-16	.0	.0	.0	.0	.2	.1	.0	.3
17-19	.0	.0	.0	.0	.1	.1	.0	.2
20-22	.0	.0	.0	.1	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCI	19.5	46.8	24.5	4.4	.7	.1	100.0	1733

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-70	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.1	12.9	14.0	6.9	3.2	.9	.5	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2442
6-7	.2	2.0	8.1	6.4	4.3	1.9	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1509
8-9	.1	.7	2.9	3.5	2.2	1.4	.8	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	683
10-11	.0	.6	.9	.9	.7	.7	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	254
12-13	.0	.0	.7	.5	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113
13-15	.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53
16-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	627
18-20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5681
TOT PCI	5.6	17.2	28.7	22.0	11.7	5.4	2.9	1.1	1.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

OCTOBER

AREA 0016 GULF OF TENHUANTEPEC
14.5N 94.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG	SNOW	OTHER	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THOR	FOG	FOG NO	SMOKE	SPRAY	NO	SEA	SEA
N	1.4	1.5	.6	.0	.0	.0	.0	3.5	.7	2.3	.1	.0	1.1	.2	92.2		
NE	1.6	.8	.0	.0	.0	.0	.0	3.0	2.9	3.7	.2	.0	.6	.4	90.2		
E	3.3	2.2	1.4	.0	.0	.0	.0	6.5	3.7	3.8	.1	.0	.6	.0	85.4		
SE	3.5	2.3	.5	.0	.0	.0	.0	6.5	4.1	4.8	.7	.0	.6	.0	83.6		
S	7.2	6.0	2.9	.0	.0	.0	.0	15.2	5.5	3.2	.0	.0	.6	.0	75.3		
SW	4.8	2.7	1.9	.0	.0	.0	.0	9.4	7.3	3.4	.2	.0	.4	.0	74.2		
W	2.7	1.9	1.6	.0	.0	.0	.0	8.2	5.3	3.7	.4	.1	.3	.0	64.2		
NW	1.5	1.0	.7	.0	.0	.0	.0	3.5	4.5	3.4	.1	.0	.5	.1	49.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.7	.5	.5	.0	.0	.0	.0	1.7	.7	4.5	.0	.0	1.2	.0	41.7		
TOT PCT	2.4	1.7	1.0	.0	.0	.0	.0	5.1	7.0	3.5	.2	.0	.7	.1	87.6		
TOT OBS:	7670																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG	SNOW	OTHER	HAIL	PCPN AT 00 TIME	PCPN PAST HOUR	THOR	FOG	FOG NO	SMOKE	SPRAY	NO	SEA	SEA
00003	1.5	1.2	.8	.0	.0	.0	.0	3.4	2.2	.8	.2	.1	1.0	.2	92.3		
00009	2.1	1.5	.8	.0	.0	.0	.0	4.5	7.9	10.1	.3	.1	.5	.2	81.7		
12015	3.7	2.9	1.9	.0	.0	.0	.0	8.4	4.2	4.0	.1	.0	.6	.1	62.6		
18021	2.2	1.5	.7	.0	.0	.0	.0	3.2	2.7	.3	.2	.0	.5	.1	91.4		
TOT PCT	2.4	1.5	1.0	.0	.0	.0	.0	5.1	7.0	3.4	.2	.0	.7	.1	87.3		
TOT OBS:	7639																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	MEAN	HOUR (GMT)						
	0-5	6-10	11-21	22-33	34-47	48+	48+				00	03	06	09	12	15	21
N	1.3	6.7	3.6	5.0	1.1	.0	21.7	16.3	21.2	14.4	17.4	16.5	24.1	24.1	24.6	21.3	
NE	1.1	5.6	5.5	3.2	.6	.0	16.0	14.9	16.3	11.4	13.7	19.4	16.3	15.3	17.6	12.4	
E	1.1	5.7	3.2	.7	.1	.0	10.7	13.6	9.3	13.6	11.2	9.2	9.6	12.7	12.2	10.7	
SE	.9	3.8	1.2	.2	.0	.0	6.2	8.7	6.4	8.6	7.3	5.3	4.6	5.9	5.8	7.0	
S	.7	2.7	1.0	.2	.0	.0	4.7	4.2	5.1	6.0	4.0	4.4	2.9	3.4	4.6	4.9	
SW	.8	3.7	1.4	.5	.0	.0	6.6	10.2	6.5	6.1	7.4	7.3	6.2	6.3	5.4	7.1	
W	1.5	7.7	3.2	.4	.0	.0	12.8	9.0	13.9	13.8	14.3	12.4	12.4	12.1	11.0	14.0	
NW	1.4	7.0	3.8	.9	.2	.0	13.3	10.6	12.2	14.4	12.4	15.2	14.9	14.1	13.1	14.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.8						7.8	.0	6.8	8.7	11.4	6.5	4.3	2.5	5.7	6.9	
TOT OBS	1341	3486	2231	886	166	9	1119	11.2	1641	127	1756	168	1652	226	2100	169	
TOT PCT	16.5	42.9	27.5	10.9	2.0	.1	106.0		106.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL	PCT	MEAN	HOUR (GMT)						
	0-6	7-16	17-27	28-40	41+	41+	41+				00	03	06	09	12	15	21
N	4.3	7.6	6.8	2.9	.7		21.7	16.3	21.2	14.4	17.4	16.5	24.1	24.1	24.6	21.3	
NE	3.7	6.0	4.6	1.5	.2		16.0	14.9	16.3	11.4	13.7	19.4	16.3	15.3	17.6	12.4	
E	3.7	5.2	1.5	.2	.0		10.7	13.6	9.3	13.6	11.2	9.2	9.6	12.7	12.2	10.7	
SE	2.6	3.1	.4	.1	.0		6.2	8.7	6.4	8.6	7.3	5.3	4.6	5.9	5.8	7.0	
S	2.0	2.1	.4	.1	.0		4.7	4.2	5.1	6.0	4.0	4.4	2.9	3.4	4.6	4.9	
SW	2.6	3.1	1.0	.1	.0		6.6	10.2	6.5	6.1	7.4	7.3	6.2	6.3	5.4	7.1	
W	5.1	6.5	1.1	.1	.0		12.8	9.0	13.9	13.8	14.3	12.4	12.4	12.1	11.0	14.0	
NW	4.5	6.7	1.6	.4	.0		13.3	10.6	12.2	14.4	12.4	15.2	14.9	14.1	13.1	14.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.8						7.8	.0	6.8	8.7	11.4	6.5	4.3	2.5	5.7	6.9	
TOT OBS	2950	3273	1414	467	35		8119	11.2	1641	127	1756	168	1652	226	2100	169	
TOT PCT	36.3	40.3	17.4	5.5	.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1872-1979

OCTOBER

AREA CODE GULF OF TEHUANTEPEC
14.24 94.94

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CNT)

WIND DIR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	7.0	8.4	44.6	28.6	9.1	2.2	.1	11.0	100.0	1964
0600	11.1	9.6	45.7	24.4	4.2	2.0	.1	10.3	100.0	1944
12-15	7.8	8.4	42.7	27.6	11.6	1.7	.1	11.4	100.0	1918
18-21	5.8	8.4	41.1	29.0	13.4	2.1	.1	12.1	100.0	2249
TOT	635	706	3486	2231	686	166	9	11.2		6119
PCT	7.8	8.7	42.9	27.5	10.9	2.0	.1	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD COVLR	MEAN CLOUD COVLR
N	4.2	5.7	6.1	2.7	3.7	
NE	5.9	3.7	4.6	1.9	2.8	
E	2.7	2.6	3.2	1.9	4.5	
SE	1.2	1.4	2.2	1.3	4.9	
S	.6	1.1	1.6	1.5	5.5	
SW	.4	1.3	2.6	2.3	5.8	
W	2.0	2.8	4.1	3.0	4.2	
NW	3.8	2.4	4.1	1.6	4.2	
VAP	.0	.0	.0	.0	.0	
CALM	3.3	1.9	2.0	.6	3.4	
TOT OBS	1157	1467	1915	1553	6292	4.3
TOT PCT	24.6	25.7	30.4	16.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	11-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+	TOTAL
N	.1	.1	.2	1.0	1.4	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	18.0
NE	.1	.1	.2	.8	.9	.6	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	13.1
E	.1	.1	.1	.5	1.1	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.7
SE	.1	.1	.1	.4	.9	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.4
S	.1	.1	.1	.3	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.8
SW	.1	.1	.1	.2	.6	1.3	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.8
W	.2	.1	.2	1.3	1.4	.6	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	8.8
NW	.1	.1	.1	.8	1.2	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.1	.5	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.5
TOT OBS	40	24	87	413	575	243	103	34	15	23	4730	6292												
TOT PCT	.6	.4	1.4	6.6	9.2	3.9	1.6	.6	.2	.4	75.2	100.0												

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM) ≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50 YD	≥ OR >0
≥ OR >6500	.5	.6	.6	.6	.6	.6	.6	.6
≥ OR >5000	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ OR >3500	2.1	2.7	2.8	2.8	2.8	2.5	2.6	2.8
≥ OR >2000	5.0	6.2	6.5	6.6	6.6	6.6	6.6	6.6
≥ OR >1000	12.3	15.2	15.7	15.7	15.7	15.8	15.8	15.8
≥ OR >600	16.9	21.4	22.1	22.3	22.3	22.4	22.4	22.4
≥ OR >300	17.6	22.6	23.4	23.6	23.7	23.7	23.7	23.7
≥ OR >150	17.7	22.9	23.7	24.0	24.0	24.1	24.1	24.1
≥ OR >0	17.9	23.3	24.3	24.6	24.6	24.7	24.7	24.7
TOTAL	1158	1502	1566	1585	1589	1593	1595	1596

TOTAL NUMBER OF OBS: 6452

PCT FREQ NM <5/8: 75.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBS	9	TOTAL OBS
14.1	19.0	14.7	14.2	9.1	5.8	6.1	4.7	8.0	.4	6820

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979

AREA CODE 60, F OF TEMUANTEPEC
14.04 94.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	N	NE	E	SE	S	SW	W	NW	VSP	CALM	PCT	TOTAL OBS
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	0	0	0	0	0	0	0	0	0	0	0	0
PCP	0	0	0	0	0	0	0	0	0	0	0	0
NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	21.9	16.0	10.7	6.2	4.7	7.0	12.6	13.2	0	7.7	100.0	71.64
TOT PCT	21.9	16.0	10.7	6.2	4.7	7.0	12.6	13.2	0	7.7	100.0	71.64

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
10+	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT %	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	21.9	16.0	10.7	6.2	4.7	7.0	12.6	13.2	0	7.7	100.0	71.64	71.64
TOT PCT	21.9	16.0	10.7	6.2	4.7	7.0	12.6	13.2	0	7.7	100.0	71.64	71.64

PERIOD: (PRIMARY) 1953-1975
(OVER-ALL) 1972-1975

LOCATION

AREA CODE GULF OF TEHUANTEPEC
14-04 94-96

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND
OCCURRENCE OF AM 55/6 BY HOUR

HOUR (GMT)	100 1-9	150 10-19	200 20-29	250 30-39	300 40-49	350 50-59	400 60-69	450 70-79	500 80-89	550 90-99	TOTAL OBS	AM 55/6 OBS	TOTAL OBS
0600	.3	.4	1.1	5.6	7.7	3.4	1.5	.7	.2	.4	21.4	7.6	1753
0600	1.1	.5	1.	6.7	6.6	5.2	1.0	.4	.3	.3	23.7	7.3	141
1200	.7	.2	1.5	7.1	11.1	4.1	1.6	.6	.2	.4	27.6	7.4	1609
1800	.3	.3	1.6	5.1	6.1	5.7	1.7	.5	.2	.2	23.6	7.2	1469
TOT	41	24	89	44.9	55.3	24.4	10.8	3.6	1.5	2.3	160.2	51.5	6720
PER	.0	.04	1.3	6.1	6.8	3.6	1.6	.5	.2	.3	23.6	7.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	1/2 1-2	1/2<1	1/2	2<5	5<10	10+ OBS	TOTAL OBS
0600	1	.2	.2	1.1	7.4	90.5	1468
0600	.3	.4	.4	1.6	11.7	80.6	1925
1200	.3	.0	.5	1.9	12.6	84.5	1934
1800	.3	.4	.4	1.4	9.3	88.4	2263
TOT	15	11	37	123	929	7124	8340
PER	.2	.1	.4	1.4	10.2	87.6	100.0

TABLE 12

CUMULATIVE PERCENT OF PANELS OF VSBY (NM) AND/OR
CEILING HGT (FEET) AND/OR BY HOUR

HOUR (GMT)	1500 1-500	1500 501-1000	1500 1001-1500	1500 1501-2000	AM 55/6 AND 5+	TOTAL OBS
0600	.4	2.0	8.7	14.1	77.1	1675
0600	1.2	3.0	10.0	14.7	74.7	1421
1200	.6	2.0	10.7	17.9	71.4	1551
1800	.3	2.4	5.7	14.4	75.4	1805
TOT	41	16	63	98	483	6452
PER	.6	2.5	9.4	15.2	74.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PER FREQ
55/59	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
60/64	.0	.0	.0	.1	.6	.4	.1	.0	41	1.2
65/69	.0	.0	.4	3.2	7.4	2.5	.4	.0	916	14.1
70/74	.0	.0	.4	4.8	24.2	31.7	5.4	.0	4269	65.6
75/79	.0	.0	.9	.5	3.9	7.1	6.2	.0	1247	17.7
80/84	.0	.0	.1	.0	.2	.4	.4	.0	89	1.1
85/89	.0	.0	.3	.0	.0	.0	.0	.0	1	.0
90/94	.0	.0	.3	.0	.0	.0	.0	.0	1	.0
TOTAL	0	3	50	590	2365	1659	609	6485	6485	100.0
PER	.0	.0	.0	.0	9.1	36.5	11.0	12.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	WN	VAR	CALM
55/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/64	.2	.2	.3	.1	.0	.0	.2	.3	.0	.0
65/69	2.6	2.3	1.7	.9	.7	.6	2.0	2.1	.0	1.2
70/74	13.7	10.6	7.0	4.4	2.9	4.2	8.6	8.6	.0	5.6
75/79	4.9	2.8	1.5	.8	1.2	1.9	2.0	1.9	.0	.6
80/84	.5	.2	.0	.1	.0	.1	.1	.1	.0	.0
85/89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	22.0	16.1	10.5	6.2	4.8	6.9	12.8	13.1	.0	7.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	9+1	5+1	50	51	11	MIN	MEAN	TOTAL OBS
0600	45	44	46	47	77	71	71	60.2	2016
0600	49	46	44	61	77	73	70	60.9	1984
1200	53	46	44	61	76	74	69	67.4	1953
1800	45	41	49	63	76	75	70	63.3	2325
TOT	45	40	47	67	77	74	69	62.8	4267

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0600	.0	.6	9.7	42.2	37.8	9.4	79	1703		
0600	.0	.5	4.3	31.1	48.7	15.3	42	1570		
1200	.0	.4	4.3	25.2	51.6	16.5	63	1912		
1800	.0	2.2	17.0	40.2	28.1	7.5	77	1802		
TOT	.0	.6	6.0	26.2	27.4	8.3	80	6667		

OCTOBER

PERIOD: (PRIMARY) 1963-1976
(OVER-ALL) 1872-1976AREA CLIM GULF OF MEXICO
14.5N 94.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG WITHIN PRECIPITATION
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

120-SEA	69	73	77	81	85	89	93	97	101	105
TEMP DIFF	72	76	80	84	88	92				
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19/13	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
20/10	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0
21/8	.0	.0	.1	.2	.3	.2	.0	.0	.0	.0
22/6	.0	.0	.1	.2	.4	.5	.0	.0	.0	.0
23/4	.0	.0	.2	.6	.7	.8	.0	.0	.0	.0
24/2	.0	.1	.2	1.4	1.2	.3	.0	.0	.0	.0
25/0	.0	.1	.4	1.7	1.5	.2	.0	.0	.0	.0
26/-2	.0	.1	.5	3.4	1.9	.1	.0	.0	.0	.0
27/-4	.0	.1	1.1	4.1	2.1	.0	.0	.0	.0	.0
28/-6	.0	.2	2.1	7.0	2.1	.0	.0	.0	.0	.0
29/-8	.0	.1	1.8	6.4	1.5	.0	.0	.0	.0	.0
30/-10	.0	.2	3.3	10.9	.7	.0	.0	.0	.0	.0
31/-12	.0	.2	3.4	6.0	.2	.0	.0	.0	.0	.0
32/-14	.0	.2	3.9	5.0	.2	.0	.0	.0	.0	.0
33/-16	.0	.3	3.3	7.5	.1	.0	.0	.0	.0	.0
34/-18	.0	.4	2.6	1.1	.0	.0	.0	.0	.0	.0
35/-20	.1	.7	2.1	.8	.0	.0	.0	.0	.0	.0
36/-22	.0	.4	.5	.1	.0	.0	.0	.0	.0	.0
37/-24	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
38/-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	24	1833	925	10	10	10	10	10	10	10
PCT	.3	3.4	25.9	57.4	13.1	1.7	.1	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.6	1.1	.3	.0	.0	.0	1.7	.5	.9	.7	.0	.0	.0	1.4
2	.2	1.6	1.5	.0	.0	.0	5.3	.3	1.3	.8	.0	.0	.0	4.1
3-4	.2	1.0	2.4	.3	.0	.0	4.2	.0	1.5	2.4	.5	.0	.0	4.4
5-6	.0	.8	2.4	1.3	.1	.0	4.6	.0	.3	1.4	1.0	.0	.0	3.1
7	.0	.1	1.4	1.4	.2	.0	3.6	.0	.1	.7	1.0	.1	.0	1.6
8-9	.0	.0	.8	.5	.1	.0	1.8	.0	.0	.0	.0	.3	.0	1.5
10-11	.0	.0	.3	.3	.3	.0	1.2	.0	.0	.0	.0	.1	.0	.7
12	.0	.0	.1	.3	.3	.0	.7	.0	.0	.0	.1	.2	.0	.4
13-16	.0	.0	.1	.7	.6	.0	1.3	.0	.0	.0	.1	.3	.0	.4
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.8	9.1	5.9	1.9	.0	24.8	.7	3.8	6.3	3.8	1.2	.0	17.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.6	.9	.0	.0	.0	.0	1.5	.5	.9	.7	.0	.0	.0	1.1
2	.2	1.2	.0	.0	.0	.0	3.8	.3	1.0	.8	.0	.0	.0	3.0
3-4	.1	1.3	1.3	.2	.0	.0	2.6	.0	1.0	.8	.1	.0	.0	1.7
5-6	.0	.2	1.2	.2	.0	.0	.5	.0	.1	.3	.1	.0	.0	.5
7	.0	.1	.4	.2	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.7	3.3	.9	.1	.0	10.8	1.1	3.6	1.7	.1	.0	.0	6.5

PERIOD: (OVER-ALL) 1943-1970

OCTOBER

AREA 6708 GULF OF TENJANSELEC
14.04 94.96

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.0	.0	.0	.0	1.2	.1	.0	.0	.0	.0	.0	.6
1-2	.1	1.4	.7	.0	.0	.0	1.6	.1	1.4	.7	.0	.0	.0	2.2
3-4	.0	.8	.3	.0	.0	.0	1.7	.0	.8	.3	.0	.0	.0	1.7
5-6	.0	.2	.0	.1	.0	.0	.3	.0	.0	.1	.0	.0	.0	.3
7	.0	.1	.1	.0	.0	.0	.2	.0	.1	.2	.0	.1	.0	.3
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	3.2	.9	.2	.0	.0	4.5	.1	3.6	1.4	.2	.1	.0	5.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	1.1	.7	.0	.0	.0	1.6	.1	1.3	.7	.0	.0	.0	1.7	
1-2	.6	3.5	.8	.0	.0	.0	4.9	.1	3.0	.7	.0	.0	.0	4.1	
3-4	.2	1.6	1.1	.7	.0	.0	2.9	.0	1.7	1.2	.1	.0	.0	3.1	
5-6	.0	.8	.7	.1	.0	.0	1.2	.1	.3	.8	.5	.0	.0	1.6	
7	.0	.2	.3	.3	.0	.0	.7	.0	.0	.8	.4	.0	.0	.3	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	6.6	3.1	.9	.0	.0	11.7	1.0	6.4	3.4	1.2	.1	.0	12.1	93.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	15.7	7.2	.0	.0	.0	.0	18.0	
1-2	3.2	21.2	5.1	.0	.0	.0	29.4	
3-4	.5	9.7	9.5	1.3	.0	.0	21.1	
5-6	.1	2.2	7.5	3.2	.2	.0	13.1	
7	.0	.7	3.3	3.4	.4	.0	8.1	
8-9	.0	.2	1.4	1.5	.4	.1	4.1	
10-11	.0	.0	.1	1.3	.4	.0	2.4	
12	.0	.0	.0	.4	.4	.0	1.3	
13-16	.0	.0	.2	.4	.4	.0	2.0	
17-19	.0	.0	.0	.0	.2	.0	.2	
20-22	.0	.0	.0	.0	.2	.0	.2	
23-25	.0	.0	.0	.1	.0	.1	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.6	41.4	26.1	12.5	3.3	.1	100.0	1909

PERIOD: (OVER-ALL) 1940-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	10.2	12.3	7.1	2.9	1.7	.9	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2350	4
6-7	.2	1.7	6.6	2.4	5.2	2.8	1.9	.6	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1642	6
8-9	.0	.5	1.8	5.4	2.9	1.8	1.2	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	781	7
10-11	.0	.3	.7	1.0	.7	.7	.5	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	262	7
12-13	.0	.0	.5	.3	.4	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	111	7
>13	.0	.0	.0	.3	.2	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	9
INDENT	4.5	1.3	1.8	1.2	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	605	5
TOTAL	518	610	1582	1264	761	459	262	131	145	33	20	7	1	0	0	0	0	0	0	5628	
PCT	8.9	13.9	23.7	21.7	13.1	7.9	5.0	2.3	2.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (P01-ARY) 1952-1979
(OVER-ALL) 1980-1979

ACUMBER

AREA: GULF OF BAHAMAS
10-1N 90-1E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHR	DRZL PCPN	SNOW PCPN	OTHER PCPN	HAIR	PCPN AT 06 TIME	PCPN PAST HOUR	THUR LINO	FOG NO PCPN	FOG AC PCPN	SPRKE HAZE	SPEAY BLG ELG	JUST SNG	AD SEA
N	.1	.1	.1	.0	.0	.0	.0	.3	.1	.2	.3	.0	.5	95.0
NE	.2	.1	.0	.0	.0	.0	.0	.3	.2	.6	.5	.1	.6	95.7
E	.9	.7	.0	.0	.0	.0	.0	1.0	.7	.3	.2	.1	.4	92.6
SE	1.5	.4	.0	.0	.0	.0	.0	2.4	.7	.0	.0	.0	.0	91.3
S	2.2	.7	.0	.0	.0	.0	.0	3.4	.2	.0	.0	.0	.0	90.0
SW	1.6	.2	.0	.0	.0	.0	.0	3.1	.2	.0	.0	.0	.0	88.3
W	1.9	.2	.0	.0	.0	.0	.0	2.3	.2	.4	.4	.0	.0	93.8
NW	.1	.3	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.3	96.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.6	.0	.0	.0	.0	.0	.0	.6	.2	.7	.0	.7	93.2
TOT PCT	.5	.5	.1	.0	.0	.0	.0	1.1	.7	1.6	.3	.0	.3	94.4
TOT OBS:	7127													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHR	DRZL PCPN	SNOW PCPN	OTHER PCPN	HAIR	PCPN AT 06 TIME	PCPN PAST HOUR	THUR LINO	FOG NO PCPN	FOG AC PCPN	SPRKE HAZE	SPEAY BLG ELG	JUST SNG	AD SEA
0000	.5	.4	.1	.0	.0	.0	.0	1.0	.7	.5	.3	.1	1.5	.5
0600	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200	.7	.7	.1	.0	.0	.0	.0	1.7	.9	.2	.3	.1	1.3	1
1800	.4	.4	.2	.0	.0	.0	.0	1.0	.6	.0	.3	.1	1.4	.6
TOT PCT	.5	.5	.1	.0	.0	.0	.0	1.1	.7	1.6	.3	.1	1.5	.5
TOT OBS:	7120													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	06	12	18	21		
N	2.3	9.1	9.9	6.4	1.0	.2		30.2	16.4		27.5	23.9	24.6	28.9	31.9	35.3	35.1
NE	1.3	5.9	6.1	3.4	1.2	.0		18.3	16.1		18.8	27.0	17.5	20.2	17.5	19.5	19.4
E	1.0	4.2	2.0	.5	.1	.0		7.8	10.3		7.4	6.8	9.2	6.9	7.5	6.8	5.6
SE	.6	2.0	.4	.0	.0	.0		3.0	7.0		3.3	3.6	3.4	5.0	2.6	3.1	3.0
S	.6	1.5	.3	.0	.0	.0		2.4	7.3		3.4	2.9	2.7	3.5	1.3	2.2	2.4
SW	.7	2.0	.5	.2	.0	.0		3.4	8.1		5.1	2.5	2.7	4.0	2.7	4.4	5.0
W	1.8	5.5	.4	.2	.0	.0		8.5	7.2		10.1	4.7	9.5	7.4	8.0	5.4	7.5
NW	2.1	.2	3.7	1.5	.4	.0		15.9	11.0		15.1	17.8	15.2	14.7	15.6	16.8	17.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	10.3							10.3	.0		9.1	10.4	15.3	11.6	7.0	6.6	6.7
TOT OBS	1594	2956	1440	1017	280	21	7779		11.7		1637	139	1613	149	1524	227	2115
TOT PCT	20.7	36.3	23.4	13.2	3.6	.3		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00	06	12	18
N	6.7	9.7	9.1	4.4	.4		30.2	16.4	27.2	25.0	32.1	35.3
NE	4.2	6.1	5.2	2.7	.2		18.3	16.1	19.4	17.6	17.8	19.4
E	3.1	3.3	1.1	.3	.0		7.8	10.3	7.4	6.0	7.4	7.7
SE	1.6	1.1	.1	.0	.0		3.0	7.0	3.3	3.4	2.6	2.5
S	1.5	.8	.1	.0	.0		2.4	7.3	3.4	2.9	1.4	2.2
SW	1.6	1.3	.2	.0	.0		3.4	8.1	4.9	2.4	3.0	3.1
W	5.1	2.9	.3	.1	.0		8.5	7.2	6.7	9.3	8.5	6.8
NW	4.3	4.4	2.3	.8	.2		15.9	11.0	15.5	15.1	16.0	16.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.3						10.3	.0	9.2	10.4	11.1	7.0
TOT OBS	3134	2647	1419	849	54	7779		11.7	1626	1491	1741	2105
TOT PCT	40.7	31.7	18.4	8.4	.6		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1980-1979

NOVEMBER

AREA CODE GULF OF TEXAS/FLORIDA
14.14 96.96

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-5	6-10	WIND SPEED (KNOTS)			MEAN	PCT FREQ	TOTAL OBS
				11-21	22-32	33-47			
0000Z	6.2	11.1	4.4	24.4	11.2	3.4	11.3	100.0	1626
0600Z	14.8	10.4	10.1	20.5	12.9	3.4	12.9	100.0	1412
1200Z	11.1	9.4	10.4	23.3	13.5	3.1	11.6	100.0	1761
1800Z	7.0	12.4	10.2	26.4	14.8	4.4	12.6	100.0	2304
TOT	244	82.0	205.6	1040	1017	28.0	11.7	100.0	77.8
PCT	10.4	10.4	24.3	23.9	13.2	3.6	13.3		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS) BY WIND DIRECTION

WIND DIR	7-2	3-4	5-7	8-10	TOTAL CLOUD OBS	WIND CLOUD
N	10.4	5.4	4.4	4.4	2.3	2.3
NE	11.6	1.1	2.4	4.4	2.2	2.2
E	4.4	2.1	1.5	4.4	2.8	2.8
SE	1.5	4.4	4.4	4.4	7.4	7.4
S	1.2	4.4	4.4	4.4	1.4	1.4
SW	1.3	4.4	4.4	4.4	2.4	2.4
W	4.4	2.1	1.5	4.4	2.4	2.4
NW	4.4	1.4	2.1	4.4	2.4	2.4
VAR	4.4	4.4	4.4	4.4	2.4	2.4
CALM	6.5	1.4	1.4	4.4	2.2	2.2
TOT OBS	34.1	11.9	48.3	23.4	587.4	7.5
TOT PCT	54.4	23.3	16.7	4.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT./M) AND OCCURRENCE OF WIND DIRECTION

CEILING (FT.)	100	150	300	600	1000	2000	3500	5000	6500	8000	WIND DIRECTION	TOTAL OBS
100	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	27.7	27.7
150	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	16.9	16.9
300	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	1.5	1.5
600	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.8	2.8
1000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.0	2.0
2000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.4	2.4
3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	7.4	7.4
5000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	14.4	14.4
6500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
8000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
WIND DIRECTION	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	587.4	587.4
TOTAL	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	90.0	90.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (FT./M) AND WIND DIRECTION

CEILING (FEET)	1 OR 2	3 OR 4	5 OR 6	7 OR 8	9 OR 10	11 OR 12	13 OR 14	15 OR 16	17 OR 18
1 OR 2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
3 OR 4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 OR 6	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
7 OR 8	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
9 OR 10	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
11 OR 12	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
13 OR 14	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
15 OR 16	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
17 OR 18	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

TOTAL NUMBER OF OBS: 6001

PCT FREQ WIND DIRECTION: 90.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (TENTHMS)

TENTHMS	1	2	3	4	5	6	7	8	9	TOTAL OBS
1	25.7	16.1	8.8	4.4	2.4	2.7	1.8	1.4	1.1	62.9

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1950-1979

NOVEMBER

AREA: GULF OF GUATEMALA
14.1N 94.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBLY (AM)		N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL Obs
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	2.3	1.3	.6	.2	.2	.2	.6	.7	.7	.7	6.6	6.6
	TOT 3	2.4	1.3	.6	.2	.3	.3	.6	.8	.8	.8	7.0	7.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	27.5	16.6	7.2	2.6	2.0	3.0	8.1	15.2	.0	9.4	91.6	91.6
	TOT 3	27.6	16.6	7.2	2.6	2.1	3.1	8.1	15.2	.0	9.4	92.4	92.4
TOT OBS													7173
TOT PCT		30.1	18.0	8.0	3.1	2.4	3.4	8.7	16.7	.0	10.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBLY (AM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL Obs
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	2.2	1.2	.7	.6	.5	.6	1.8	1.9	.0	9.6	19.5	19.5
	4-10	8.6	5.5	3.5	1.9	1.3	1.9	5.3	7.9	.0	36.3	36.3	36.3
	11-21	9.4	5.7	1.8	.3	.2	.4	.8	1.4	.0	22.1	22.1	22.1
	22+	7.5	4.3	.6	.0	.1	.1	1.7	.0	.0	16.6	16.6	16.6
	TOT 3	27.7	16.7	7.2	2.6	2.1	3.0	8.0	10.9	.0	94.4	92.2	92.2
TOT OBS													7465
TOT PCT		30.2	18.2	7.4	3.1	2.4	3.4	8.6	15.8	.0	10.3	100.0	

PERIOD: (PRIMARY) 1952-1976
(OVERALL) 1987-1976

NOVEMBER

AREA 0678 GULF OF TENQUANTEPEC
14.14 94.96

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 30/8) AND
OCCURRENCE OF AM 45/8 BY HOUR

HOUR (GMT)	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	TOTAL	AM 45/8 ALL HGT	TOTAL OBS
0000	.1	.2	.5	1.4	3.0	1.7	.4	.4	.4	.6	9.2	57.8	1583														
0600	.2	.0	.1	2.0	2.4	1.4	.6	.5	.3	.2	6.0	92.0	1406														
1200	.2	.1	.3	3.2	3.8	1.4	.5	.3	.1	.3	10.6	17.4	1456														
1800	.1	.1	.4	1.9	2.4	1.5	.4	.1	.3	.1	8.1	91.4	1016														
TOT	0	5	23	136	144	102	29	20	14	29	556	5704	6243														
PCT	.1	.1	.4	2.2	3.0	1.6	.6	.3	.3	.3	9.6	64.2	100.0														

TABLE 11

PERCENT FREQUENCY WSPY (KMP) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-3	3-4	4-5	TOTAL OBS
0000	.1	.0	.1	.7	6.7	93.2	1827
0600	.1	.1	.0	.5	7.7	91.6	1746
1200	.2	.1	.7	.9	7.2	91.4	1760
1800	.1	0	.1	.8	6.7	92.3	2266
TOT	10	4	6	53	527	7448	7647
PCT	.1	.1	.1	.7	6.9	92.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF WSPY (KMP) AND/OR
CEILING HGT (FEET, AM 30/8) BY HOUR

HOUR (GMT)	<150 (50/8)	150-200 (50/8)	200-250 (50/8)	250-300 (50/8)	AM 45/8 AND 5+	TOTAL OBS
0000	.1	.7	2.9	6.1	90.3	1529
0600	.2	.5	3.0	5.7	91.4	1342
1200	.2	.7	4.4	7.0	90.6	1395
1800	.1	.5	3.1	5.9	91.2	1735
TOT	8	77	146	377	5425	6000
PCT	.1	6	3.3	6.3	90.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/80	.0	0	.2	.6	.2	0	.0	.0	63	3.1
65/89	.0	0	.1	.1	2.2	5.7	1.0	.2	940	9.1
80/98	.0	.0	.1	.4	5.9	22.5	21.4	6.5	2275	55.0
95/99	.0	.0	.0	.2	1.6	8.7	12.1	6.7	1669	26.4
110/99	.0	.0	.7	.1	.5	2.1	2.2	1.2	354	5.9
125/99	.0	.0	.0	.0	0	.2	.2	0	32	.5
TOTAL	0	2	12	91	645	2308	2132	757	5053	100.0
PCT	.0	.1	.2	1.5	10.4	38.9	35.6	12.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	WW	VAR	CALM
50/80	.3	.2	.1	.0	0	0	.1	.3	.0	.1
65/89	1.5	1.2	1.0	.4	.2	.4	1.0	2.0	.0	.9
80/98	1.8	4.0	5.2	2.1	1.6	1.6	5.9	1.7	.0	6.6
95/99	1.0	5.6	1.9	.6	.5	.9	2.1	3.3	.0	2.6
110/99	2.9	1.7	.2	0	0	.1	0	.7	.0	.2
125/99	.4	.1	0	0	.0	.0	0	.0	.0	.0
TOTAL	30.0	77.6	8.4	3.2	2.4	3.3	8.7	16.1	.0	10.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP 10LS F1 BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	53	60	56	61	74	70	65	62.4	1950
0600	69	64	62	67	73	70	67	70.3	1855
1200	86	64	63	70	75	70	67	70.0	1707
1800	44	61	68	82	74	71	65	61.7	2334
TOT	64	64	66	68	73	70	65	62.3	7821

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.4	11.4	91.6	34.4	10.2	76	1522		
0600	.0	1.3	6.0	22.4	42.3	17.7	82	1406		
1200	.0	.6	2.7	22.7	43.0	17.0	82	1406		
1800	.0	3.2	17.6	45.8	26.3	7.0	76	1732		
TOT	0	100	653	2366	2197	764	79	6100		

PERIOD: (PPHARY) 1952-1979
(OVER-ALL) 1860-1979

NOVEMBER

AREA 20°N GULF OF TENHANTEPEC
14-14 94.94

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCUPANCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 64	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	W FOG	W FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
14/16	.0	.0	.1	.0	.0	.1	.0	.0	9	.0	.1
11/13	.0	.0	.0	.1	.3	.1	.1	.0	67	.0	.7
9/10	.0	.0	.1	.2	.2	.1	.2	.0	56	.0	.6
7/8	.0	.1	.1	.6	.7	.3	.3	.0	137	.0	2.1
6	.0	.0	.2	.4	.5	.4	.1	.0	170	.0	1.5
5	.1	.1	.3	.4	.0	.7	.4	.0	167	.0	2.6
4	.0	.1	.5	1.0	1.4	.8	.1	.0	256	.0	3.5
3	.0	.1	.6	1.1	1.3	.9	.0	.0	260	.0	3.4
2	.0	.2	.7	2.0	2.6	1.4	.1	.0	482	.0	7.3
1	.0	.2	1.6	2.0	3.0	1.2	.0	.0	459	.1	7.5
0	.0	.4	1.5	3.5	6.4	1.1	.0	.0	864	.1	13.6
-1	.0	.2	1.0	2.8	6.4	.6	.0	.0	723	.0	11.0
-2	.0	.2	1.0	4.4	6.5	.2	.0	.0	807	.1	12.2
-3	.0	.1	.5	3.4	4.9	.1	.0	.0	602	.0	6.1
-4	.0	.1	.7	3.8	3.6	.0	.0	.0	544	.0	6.3
-5	.0	.1	.7	3.1	2.0	.0	.0	.0	393	.0	4.0
-6	.0	.2	.6	2.1	.6	.0	.0	.0	272	.0	3.4
-7	.0	.1	1.1	2.3	.4	.0	.0	.0	257	.0	3.9
-8	.0	.1	.5	.5	.0	.0	.0	.0	80	.0	1.2
-9/-10	.0	.2	.3	.1	.0	.0	.0	.0	49	.0	.7
-11/-12	.1	.1	.0	.0	.0	.0	.0	.0	17	.0	.2
-13/-14	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-15/-16	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
TOTAL	25	160	736	2236	2798	535	6	6501	21	6570	19.7
PCT	.3	2.4	11.2	33.9	42.5	8.1	1.4	.1	170.0	.3	19.7

PERIOD: (OVER-ALL) 1963-1979

Table 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.6	1.8	.1	.0	.0	.0	2.7	.7	1.5	.0	.0	.0	.0	2.2
1-2	.5	4.5	1.3	.0	.0	.0	6.3	.2	2.4	.3	.0	.0	.0	2.3
3-4	.1	2.1	3.3	.8	.0	.0	6.3	.1	2.0	2.5	.5	.0	.0	5.1
5-6	.0	.5	3.3	1.3	.1	.0	5.3	.0	.2	2.1	.6	.2	.0	3.1
7	.0	.2	1.6	2.1	.6	.1	4.8	.0	.1	.9	1.0	.4	.0	2.4
8-9	.0	.3	.9	1.5	.5	.1	3.2	.0	.0	.3	.8	.2	.0	1.1
10-11	.0	.0	.1	1.1	.1	.0	1.5	.0	.0	.1	.7	.1	.0	.9
12	.0	.0	.2	.5	.3	.0	1.0	.0	.0	.0	.4	.1	.0	.5
13-16	.0	.0	.0	.4	.3	.0	.7	.0	.0	.0	.2	.4	.0	.6
17-19	.0	.0	.0	.1	.2	.0	.1	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.1
23-25	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.5	11.0	7.7	2.4	.3	32.2	.5	6.4	3.8	1.6	.0	19.4	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	1.1	.0	.0	.0	.0	1.6	.1	.1	.0	.0	.0	.0	.3
1-2	.5	1.8	.4	.0	.0	.0	2.7	.1	.4	.0	.0	.0	.0	.9
3-4	.1	.5	1.2	.0	.0	.0	1.7	.0	.1	.1	.0	.0	.0	.3
5-6	.1	.2	.6	.1	.0	.0	1.0	.0	.0	.1	.0	.0	.0	.1
7	.0	.1	.4	.2	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	3.7	2.7	.3	.2	.0	8.0	.3	1.1	.3	.0	.0	.0	1.6

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER
TABLE 18 (CONT)

AREA CODE GULF OF TENUANTEPEC
14.1M 96.96

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4	.3	.9	.0	.0	.0	.0	1.2
1-2	.0	.5	.0	.0	.0	.0	.6	.1	1.4	.0	.0	.0	.0	1.6
3-4	.1	.0	.0	.0	.0	.0	.2	.0	.2	.4	.1	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.0	.0	.1	.0	.0	1.4	.5	2.7	.6	.3	.0	.0	4.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	1.2	.0	.0	.0	.0	1.8	.6	2.0	.1	.0	.0	.0	.7	2.7
1-2	.0	2.4	.0	.0	.0	.0	3.6	.8	4.4	.3	.0	.0	.0	6.1	6.1
3-4	.1	1.1	.3	.0	.0	.0	1.4	.0	2.0	1.7	.3	.0	.0	3.6	3.6
5-6	.0	.0	.2	.0	.0	.0	.3	.0	.3	.4	.2	.0	.0	1.2	1.2
7	.0	.1	.1	.0	.0	.0	.1	.0	.1	.7	.5	.3	.0	1.5	1.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.7	.0	.8	.8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.3	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	.3
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.2	1.1	.1	.0	.0	7.5	1.4	8.9	3.7	1.5	.6	.0	16.2	90.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.8	4.8	.1	.0	.0	.0	22.7	
1-2	3.5	18.9	3.2	.1	.0	.0	25.7	
3-4	.4	7.9	8.9	1.7	.0	.0	18.9	
5-6	.1	1.5	6.9	2.2	.3	.0	11.0	
7	.0	.5	3.8	3.7	1.4	.1	9.5	
8-9	.0	.3	1.6	2.5	.9	.1	5.4	
10-11	.0	.0	.4	2.0	.3	.0	2.7	
12	.0	.0	.2	.8	.5	.0	1.7	
13-16	.0	.0	.0	.6	.6	.0	1.5	
17-19	.0	.0	.0	.3	.2	.0	.4	
20-22	.0	.0	.0	.0	.2	.1	.2	
23-25	.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.1	.1	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.9	36.1	25.2	13.6	4.8	.4	100.0	1617

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SLC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<5	5.3	12.6	11.4	5.7	2.5	1.3	.7	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2154
6-7	.1	2.2	6.6	7.4	4.1	2.8	1.6	.8	.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1431
8-9	.1	.7	1.6	2.4	2.6	1.6	1.1	.5	.9	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	629
10-11	.0	.5	.5	.8	.8	.6	.6	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	261
12-13	.0	.0	.5	.4	.3	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	121
13-14	.0	.0	.0	.1	.3	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
TOTAL	7.7	19	19.9	19	6.6	3.7	2.1	1.1	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	5323
PCT	15.2	17.0	22.6	17.4	11.3	7.1	4.5	2.3	3.0	.7	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA: GULF OF GUANTANAMO
14.1N 94.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN SHHR	RAIN PCPN	GRZL PCPN	FRZG PCPN	SNOW PCPN	OTHER FRZG FZLN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE HAZE	SPRAY BLWG DUST	NO SIG	
N	.1	.0	.1	.0	.0	.0	.0	.2	.0	.5	.4	.0	1.6	.4	96.9	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.0	1.6	.6	96.7	
E	.2	.0	.0	.0	.0	.0	.0	.2	.5	.5	.5	.0	1.2	.1	96.6	
SE	.6	.6	.6	.0	.0	.0	.0	1.2	.8	.0	1.4	.2	.9	.0	94.8	
S	.6	.6	.6	.0	.0	.0	.0	1.9	.0	.0	.9	.5	1.6	.0	95.1	
SW	1.1	.0	.0	.0	.0	.0	.0	1.1	.1	.0	1.1	.1	7.4	.1	94.6	
W	.2	.2	.0	.0	.0	.0	.0	.4	.2	.3	.2	.2	1.2	.0	97.4	
NW	.0	.1	.0	.0	.0	.0	.0	.1	.0	1.0	.4	.0	1.3	.0	97.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.1	.0	.0	.0	.0	.0	.1	.0	.8	2.7	.1	2.4	.0	93.4	
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.1	.6	.7	.1	1.6	.3	96.4	
TOT OBS	613															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN SHHR	RAIN SHHR	GRZL PCPN	FRZG PCPN	SNOW PCPN	OTHER FZLN FZLN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPOKE HAZE	BLWG DUST BLWG SNOW	SPRAY	NO SIG WEA
0600	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.3	.0	1.9	.4	.4	97.0
0609	.1	.1	.2	.0	.0	.0	.0	.4	.3	1.6	.4	.1	1.5	.1	.1	95.0
12015	.2	.1	.0	.0	.0	.0	.0	.3	.2	.6	1.0	.1	1.5	.1	.1	96.3
18021	.2	.0	.0	.0	.0	.0	.0	.2	.1	.2	.9	.1	1.5	.3	.3	96.7
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.1	.6	.8	.1	1.6	.3	.3	96.3
TOT OBS:	6755															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	06	12	18	21		
N	2.6	10.7	9.8	7.2	2.5	.4		33.1	16.6		33.0	34.2	28.6	33.0	32.5	36.4	36.2
NE	1.7	7.0	6.0	4.5	1.1	.2		20.4	15.8		21.3	23.4	19.7	22.5	18.4	23.2	21.4
E	1.0	4.2	1.9	.7	.1	.0		7.9	10.4		6.8	6.8	6.9	6.4	7.7	9.1	8.3
SE	.6	1.5	.2	.0	.0	.0		2.4	6.3		2.3	1.8	2.4	1.5	2.0	1.3	2.8
S	.7	1.4	.2	.0	.0	.0		2.3	6.2		2.9	4.7	2.0	3.0	1.5	2.1	2.7
SW	.5	1.7	.3	.0	.0	.0		2.6	7.0		4.0	2.0	2.7	2.7	2.2	1.5	1.7
W	1.3	3.9	.7	.1	.0	.0		6.0	6.6		8.1	6.3	6.6	3.3	5.3	4.2	4.6
NW	1.9	7.7	3.2	1.2	.2	.1		14.5	10.7		12.3	9.7	13.7	16.9	15.6	17.1	15.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	10.8							10.8	.0		9.3	9.0	15.0	8.9	14.9	5.1	6.6
TOT OBS	1506	2717	1579	980	289	47	7116	100.0	12.0		1607	111	1523	166	1429	195	1910
TOT PCT	21.2	38.2	22.2	13.8	4.1	.7					100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	7.7	10.8	8.6	5.1	.9		33.1	16.6	33.1	29.1	33.0
NE	4.9	7.1	5.2	2.9	.4		20.4	15.8	21.4	19.9	19.0
E	3.2	3.5	.9	.4	.0		7.9	10.4	6.8	6.8	7.9
SE	1.5	.6	.1	.0	.0		2.4	6.3	2.3	2.6	1.9
S	1.5	.7	.0	.0	.0		2.3	6.2	3.0	2.1	1.5
SW	1.3	1.0	.0	.0	.0		2.6	7.0	3.9	2.7	2.1
W	3.8	2.1	.1	.0	.0		6.0	6.6	8.1	6.3	5.2
NW	6.0	5.6	2.0	.7	.1		14.5	10.7	12.2	14.0	15.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	10.8						10.8	.0	9.3	14.4	13.7
TOT OBS	2908	2253	1202	652	103	7116	100.0	12.0	1716	1692	1624
TOT PCT	40.9	31.7	16.9	9.2	1.4				100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1961-1979

AREA 0078 GULF OF TENANIEPEC
14.1N 94.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-5	6-10	WIND SPEED (KNOTS)				40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	4.3	10.3	39.1	22.6	13.5	4.0	1.0	12.2	100.0	1718	
0600	14.4	10.3	37.8	19.6	12.9	4.3	.7	11.4	100.0	1692	
1200	13.7	10.3	38.1	21.1	12.6	3.7	.5	11.2	100.0	1624	
1800	6.6	10.3	37.8	24.0	15.7	4.2	.5	12.6	100.0	2064	
TOT	76.6	73.6	2717	1579	980	289	.7	12.0		7118	
PCT	10.8	10.4	38.2	22.2	13.8	4.1	.7	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	24.5	4.4	3.3	.6	1.6	1.6
NE	14.3	3.2	2.4	.3	1.7	1.7
E	4.7	1.5	1.3	.2	2.3	2.3
SE	1.5	.5	.5	.1	2.5	2.5
S	1.3	.4	.5	.0	2.5	2.5
SW	1.6	.6	.3	.1	2.2	2.2
W	4.2	1.2	.7	.1	1.9	1.9
NW	10.4	2.3	1.1	.3	1.6	1.6
VAR	.0	.0	.0	.0	.0	.0
CAL	8.6	1.4	.9	.2	1.4	1.4
TOT OBS	5912	849	589	102	5452	1.7
TOT PCT	71.8	15.6	13.8	1.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM (5/8) BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	ANY	TOTAL
N	.0	.0	.1	.2	.4	.4	.1	.1	.0	.0	.1	31.5
NE	.0	.0	.0	.1	.2	.2	.1	.0	.1	.1	.1	19.2
E	.1	.0	.0	.2	.2	.1	.1	.1	.0	.0	.0	6.9
SE	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	2.3
S	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	2.1
SW	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	2.4
W	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	5.8
NW	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	13.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CAL	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	10.6
TOT OBS	16	1	13	48	87	32	14	12	13	5166	5452	
TOT PCT	.3	.0	.2	.9	1.5	1.0	.6	.3	.2	.2	94.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
≥ OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	.7	.7	.7	.7	.7	.7	.7	.7
≥ OR >3500	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ OR >2000	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
≥ OR >1000	3.4	3.7	3.8	3.9	3.9	3.9	3.9	3.9
≥ OR >600	4.1	4.6	4.7	4.7	4.7	4.7	4.7	4.7
≥ OR >300	4.3	4.8	4.9	5.0	5.0	5.0	5.0	5.0
≥ OR >150	4.3	4.9	5.0	5.0	5.0	5.0	5.0	5.0
≥ OR >0	4.4	5.0	5.1	5.2	5.2	5.2	5.3	5.3
TOTAL	746	240	287	288	289	290	294	294

TOTAL NUMBER OF 10% 5452

PCT FREQ NM (5/8) 94.7

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

WIND DIR	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
N	23.5	13.0	7.1	.1	1.9	1.7	1.0	.6	.2	5832

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

ARLA 0078 GULF OF TENHUANTEPEC
14.1N 94.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.3	1.5	.6	.2	.2	.3	.7	.7	.6	.6	.6	
	TOT %	2.3	1.5	.6	.2	.2	.3	.7	.7	.6	.6	.6	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	30.5	18.8	7.2	2.2	2.2	2.4	5.6	13.7	.0	9.9	92.7	
	TOT %	30.5	18.8	7.2	2.2	2.2	2.4	5.6	13.7	.0	9.9	92.7	
TOT OBS													6549
TOT PCT													32.9 20.4 7.9 2.5 2.4 2.7 6.1 14.4 .0 10.7 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	.6	
5<10	0-3	.2	.2	.1	.1	.1	.1	.1	.1	.0	.6	1.5	
	4-10	.5	.4	.4	.1	.1	.1	.2	.3	.0	.0	1.9	
	11-21	.3	.2	.1	.0	.0	.0	.0	.1	.0	.0	.6	
	22+	1.2	.7	.1	.0	.0	.0	.0	.1	.0	.0	2.1	
	TOT %	2.2	1.4	.6	.2	.2	.2	.3	.6	.0	.6	6.3	
10+	0-3	2.3	1.5	1.0	.5	.7	.4	1.2	1.6	.0	9.9	19.3	
	4-10	10.2	5.7	3.8	1.4	1.3	1.7	3.8	7.4	.0	.0	36.2	
	11-21	9.4	5.7	1.7	.2	.1	.3	.6	3.1	.0	.0	21.1	
	22+	8.7	5.0	.6	.0	.0	.0	.1	1.4	.0	.0	16.0	
	TOT %	30.6	18.8	7.2	2.2	2.1	2.4	5.7	13.6	.0	9.9	92.7	
TOT OBS													6916
TOT PCT													33.2 20.4 7.9 2.4 2.3 2.6 6.0 14.3 .0 10.8 100.0

DECEMBER

PERIOD: (PRIMARY) 1957-1979
(OVERALL) 1861-1979

AREA DATA GULF OF TEHUANTEPEC
14.1N 94.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.1	.0	.2	.7	1.8	.9	.6	.2	.2	.3	5.2	94.8	1508				
0600	.3	.0	.3	.8	1.0	.7	.5	.3	.3	.4	4.3	95.5	1321				
1200	.3	.1	.3	1.5	1.8	1.1	.6	.4	.1	.2	6.5	93.5	1363				
1800	.4	.0	.2	.4	1.2	1.2	.4	.2	.7	.0	4.2	95.8	1626				
TOT	16	1	14	46	84	57	33	16	12	13	294	5724	5816				
PCT	.3	.0	.2	.8	1.4	1.0	.6	.3	.2	.2	5.1	94.9	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NPS) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.0	.1	.6	5.4	95.3	1736
0600	.2	.1	.1	.8	6.7	92.2	1677
1200	.6	.1	.1	.6	7.4	91.2	1642
1800	.2	.1	.0	.4	5.6	93.6	2035
TOT	21	5	5	43	446	6568	7090
PCT	.3	.1	.1	.6	6.3	92.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, AM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 1	<1000 2	<2000 4	NM <5/8 AND 5+	TOTAL OBS
0000	.1	.4	1.7	4.2	94.1	1446
0600	.3	.6	2.1	3.2	94.7	1268
1200	.4	.8	3.1	4.3	92.7	1309
1800	.5	.7	1.4	3.3	95.3	1561
TOT	18	36	113	209	5262	5584
PCT	.3	.6	2.0	3.7	94.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	6-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/96	.0	.0	.0	.1	.2	.1	.0	.0	23	.4
85/89	.0	.0	.1	.4	1.6	2.6	.7	.1	292	5.3
80/84	.0	.0	.1	.9	5.6	19.4	13.4	2.5	2397	42.0
75/79	.0	.0	.1	.5	2.4	13.5	15.9	7.4	2187	39.8
70/74	.0	.0	.0	.1	.9	3.6	4.3	2.8	644	11.7
65/69	.0	.0	.0	.0	.1	.2	.4	.2	43	.8
TOTAL	0	1	14	108	592	2161	1961	719	5496	100.0
PCT	.0	.0	.3	2.0	10.8	39.3	34.6	13.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CA	M
90/96	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
85/89	1.5	1.0	.5	.2	.2	.2	.5	.8	.0	.3	.0
80/84	11.3	7.4	3.8	1.5	1.1	1.3	3.6	7.0	.0	1.0	.0
75/79	14.1	6.6	2.9	.8	.9	.9	1.9	5.3	.0	4.6	.0
70/74	5.3	3.3	.5	.2	.2	.1	.2	1.1	.0	.9	.0
65/69	.4	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0
TOTAL	32.6	20.5	7.8	2.4	2.3	2.5	6.5	14.3	.1	11.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	92	88	84	60	73	70	63	79.3	1751
0600	86	84	82	78	72	69	65	77.9	1725
1200	86	84	82	78	72	68	66	77.5	1662
1800	94	90	87	81	73	70	66	80.4	2108
TOT	94	88	85	79	72	69	63	78.9	7246

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.7	13.5	44.0	31.3	9.4	78	1445
0600	.0	1.6	6.1	34.4	39.6	18.3	81	1311
1200	.0	1.3	5.6	27.1	42.2	18.7	82	1335
1800	.0	3.9	16.5	47.1	27.1	7.4	78	1558
TOT	0	125	607	2216	1957	742	79	5649

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1979

AREA CCB GULF OF TENHANTEPEC
14.1N 94.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 62	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
14/16	.0	.0	.0	.0	.1	.1	.0	.0	15	.0	.2
11/13	.0	.0	.0	.0	.2	.1	.1	.0	29	.0	.5
9/10	.0	.0	.1	.3	.3	.1	.1	.0	40	.0	1.0
7/8	.0	.0	.2	.5	.4	.4	.1	.0	113	.0	1.8
6	.0	.0	.4	.5	.4	.1	.1	.0	106	.0	1.7
5	.0	.1	.5	1.0	.9	.9	.1	.0	191	.0	3.1
4	.0	.2	.8	1.2	1.1	.5	.1	.0	235	.0	3.9
3	.0	.1	.8	1.2	1.2	.7	.0	.0	251	.0	4.1
2	.1	.4	1.6	2.0	2.5	.7	.0	.0	445	.1	7.1
1	.0	.5	1.8	2.4	2.5	.0	.0	.0	458	.1	7.3
0	.0	.6	2.1	4.6	5.4	.4	.0	.0	676	.1	13.0
-1	.0	.3	1.5	3.8	4.4	.2	.0	.0	635	.1	10.2
-2	.1	.4	1.4	5.6	3.9	.1	.0	.0	711	.1	11.4
-3	.1	.2	1.2	4.1	2.8	.1	.0	.0	515	.0	8.4
-4	.1	.2	1.6	5.1	1.6	.0	.0	.0	525	.0	8.7
-5	.0	.3	1.7	1.3	1.1	.0	.0	.0	357	.0	5.6
-6	.0	.2	1.1	2.0	.3	.0	.0	.0	211	.0	3.4
-7/-8	.0	.4	1.9	2.1	.2	.0	.0	.0	283	.0	4.6
-9/-10	.1	.3	1.1	.5	.0	.0	.0	.0	124	.0	2.0
-11/-13	.1	.3	.3	.0	.0	.0	.0	.0	52	.0	.8
-14/-16	.1	.1	.0	.0	.0	.0	.0	.0	11	.0	.2
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	.3	272	1197	2462	1411	61	3	6148	47	100.0	162.2
PCT	.7	4.4	19.4	40.0	29.6	5.1	.7	100.0	.8	16.2	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	1.7	1.4	.0	.0	.0	.0	1.3	.7	1.1	.0	.0	.0	.0	1.8
1-2	.7	5.6	1.1	.0	.0	.0	7.3	.4	4.0	.7	.0	.0	.0	5.1
3-4	.1	2.1	3.0	.8	.0	.0	5.9	.1	1.4	1.6	.3	.0	.0	3.4
5-6	.0	.4	2.6	1.3	.0	.0	4.9	.0	.4	1.7	1.0	.1	.0	3.1
7	.0	.0	1.0	1.9	.3	.0	3.2	.0	.0	1.3	1.6	.1	.0	3.0
8-9	.0	.1	.8	1.0	.5	.1	2.5	.0	.1	.4	1.1	.2	.0	1.8
10-11	.0	.0	.1	1.2	.6	.0	1.9	.0	.0	.0	.5	.3	.0	1.8
12	.0	.0	.0	.5	.0	.0	.7	.0	.0	.0	.3	.2	.0	.5
13-16	.0	.0	.1	.5	.8	.2	1.6	.0	.0	.0	.5	.5	.1	1.0
17-19	.0	.0	.0	.2	.0	.0	.7	.0	.0	.0	.1	.1	.0	.2
20-22	.0	.0	.0	.0	.1	.1	.3	.0	.0	.0	.0	.1	.1	.2
23-25	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	9.8	4.8	7.4	2.9	.4	31.9	1.2	7.5	1.6	5.4	1.6	.1	21.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	.8	.0	.0	.0	.0	1.3	.4	.4	.0	.0	.0	.0	.4
1-2	.2	2.4	.5	.0	.0	.0	3.1	.2	1.4	.1	.0	.0	.0	1.2
3-4	.0	1.4	.8	.0	.0	.0	2.0	.0	.4	.1	.0	.0	.0	.5
5-6	.0	.3	.8	.1	.1	.0	1.1	.0	.0	.1	.1	.0	.0	.1
7	.0	.3	.1	.1	.0	.0	.5	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.1	.0	.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.1	2.0	.6	.2	.0	8.5	.5	1.4	.3	.1	.0	.0	2.7

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA OF GULF OF TEMUANTEPEC
14.14 94.94

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.4	.0	.0	.0	.0	.9	.3	.5	.0	.0	.0	.0	.9
1-2	.2	.6	.1	.0	.0	.0	1.1	.1	1.2	.2	.0	.0	.0	1.4
3-4	.1	.1	.2	.1	.0	.0	.6	.1	.1	.7	.0	.0	.0	.2
5-6	.0	.1	.1	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	1.4	.4	.0	.0	.0	2.7	.5	1.8	.7	.0	.0	.0	2.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	1.1	.0	.0	.0	.0	2.0	1.1	1.0	.0	.0	.0	.0	2.6	
1-2	.5	2.6	.1	.0	.0	.0	3.2	.8	4.5	.3	.0	.0	.0	5.6	
3-4	.1	.3	.5	.0	.0	.0	.9	.1	1.2	1.2	.1	.0	.0	2.6	
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.1	.6	.3	.0	.0	1.0	
7	.0	.1	.1	.2	.0	.0	.3	.0	.1	.1	.5	.0	.0	.7	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	4.3	.2	.2	.0	.0	6.7	1.9	7.5	2.5	1.4	.3	.0	13.6	60.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.5	7.5	.0	.0	.0	.0	24.0	
1-2	3.5	21.8	2.5	.0	.0	.0	26.2	
3-4	.5	7.5	7.1	1.2	.0	.0	18.2	
5-6	.1	1.4	6.1	2.6	.5	.0	10.7	
7	.0	.4	2.6	4.2	.4	.0	7.6	
8-9	.0	.4	1.4	2.6	.8	.1	5.2	
10-11	.0	.0	.1	1.4	1.1	.0	3.1	
12	.0	.0	.0	.9	.5	.0	1.3	
13-16	.0	.0	.1	1.1	1.3	.3	2.6	
17-19	.0	.0	.0	.3	.1	.0	.4	
20-22	.0	.0	.0	.0	.2	.2	.4	
23-25	.0	.0	.0	.0	.2	.0	.2	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.7	36.9	20.2	14.8	4.6	.5	100.0	1515

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	6.0	13.7	11.7	6.1	2.2	1.8	.9	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2145	3
1-2	.1	2.0	4.7	5.6	4.0	2.5	1.7	.9	1.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	1196	4
3-4	.1	.6	1.4	1.9	2.0	1.5	1.5	.6	.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	566	6
5-6	.0	.7	.6	.6	.5	.8	.6	.4	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	257	8
7-9	.0	.0	.5	.3	.2	.3	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	174	8
10-11	.0	.0	.0	.2	.1	.2	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	91	12
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	685	2
TOTAL	759	909	1018	763	465	366	265	130	180	50	28	11	10	5	0	0	0	0	0	4994	5
PCT	15.2	18.3	20.5	15.5	9.4	7.4	5.3	2.6	3.6	1.0	.6	.2	.2	.1	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

ANNUAL

AREA: OCEAN GULF OF TENHUATEPEC
14.0N 94.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DE TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PAST HR	SPOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.1	.6	.4	.0	.0	.0	.	2.1	1.0	2.0	.3	.	2.9	.3	90.9
NE	1.6	1.0	.6	.0	.0	.0	.	3.1	1.6	2.8	.3	.	1.9	.2	90.2
E	2.5	1.4	.9	.0	.0	.0	.	4.7	2.3	3.1	.3	.	2.2	.1	87.5
SE	2.5	1.7	.8	.0	.0	.0	.	5.2	2.5	2.6	.6	.1	2.3	.	86.1
S	3.1	2.3	1.0	.0	.0	.0	.	6.3	2.6	3.0	.4	.1	2.0	.	83.7
SW	3.1	2.0	1.0	.0	.0	.0	.	6.0	3.1	2.9	.4	.1	2.1	.	83.5
W	2.1	1.1	.8	.0	.0	.0	.	3.6	2.0	2.0	.2	.	2.0	.1	86.9
NW	1.5	.7	.5	.0	.0	.0	.	2.8	1.3	2.0	.3	.	2.1	.1	80.7
VAR	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.3	.2	.0	.0	.0	.	.6	.7	4.4	.0	.1	4.6	.1	90.4
TOT PCT	1.9	1.1	.6	.0	.0	.0	.	3.0	1.8	3.0	.4	.	2.6	.1	88.7
TOT OBS: 84756															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DE TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PAST HR	SPOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	1.1	.8	.5	.0	.0	.0	.	2.3	1.2	.5	.2	.	2.8	.2	92.7
0600Z	1.5	.9	.6	.0	.0	.0	.	2.5	1.3	.2	.4	.	2.4	.1	88.9
1200Z	3.1	1.8	.9	.0	.0	.0	.	5.8	2.4	4.3	.6	.	2.5	.1	84.8
1800Z	1.8	1.0	.6	.0	.0	.0	.	3.4	1.9	.3	.4	.	2.5	.2	91.3
TOT PCT	1.9	1.1	.6	.0	.0	.0	.	3.6	1.8	3.1	.4	.	2.6	.1	88.6
TOT OBS: 92509															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-32	34-47	48+					00	03	06	09	12	15	21
N	2.1	7.8	5.7	3.3	1.0	.2		26.1	13.1	17.9	15.1	14.6	15.1	21.6	22.7	24.2	21.9
NE	1.4	5.9	4.5	2.1	.6	.1		14.5	13.2	14.2	14.0	12.2	13.4	14.5	14.3	16.5	15.7
E	1.3	6.2	3.3	.6	.1	.0		11.5	9.9	11.1	11.0	11.3	10.0	11.1	11.0	12.7	11.3
SE	1.0	3.9	1.5	.1	.0	.0		6.6	7.7	7.3	7.6	7.6	7.2	5.1	6.3	6.2	6.2
S	.9	2.8	.8	.1	.0	.0		4.6	7.4	6.0	5.9	5.4	4.8	3.2	4.7	3.8	4.2
SW	.9	3.6	1.1	.1	.0	.0		5.7	7.9	7.8	8.3	6.1	6.5	4.2	6.7	4.4	6.9
W	2.0	4.0	2.3	.2	.0	.0		12.5	7.7	13.9	14.3	14.1	11.3	12.5	10.5	10.2	11.3
NW	2.0	7.9	2.7	.6	.1	.0		13.4	9.1	11.6	12.6	12.0	14.5	15.4	14.2	14.2	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.1							11.1	.0	10.2	11.2	15.7	12.4	12.3	7.8	7.5	8.2
TOT OBS								90346	9.6	21843	1601	20374	2332	19565	2464	25560	2465
TOT PCT	22.8	46.0	21.9	7.2	1.9	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40	41+						00	03	06	09	12	15	21
N	5.9	7.2	4.5	2.1	.4			20.1	13.1	17.7	15.4	21.8	24.0				
NE	4.1	5.8	3.1	1.3	.2			14.5	13.2	14.2	12.3	14.7	16.5				
E	4.2	5.7	1.3	.2	.0			11.5	9.9	11.1	11.1	11.1	12.5				
SE	3.0	3.1	.5	.1	.0			6.6	7.7	7.3	7.6	5.2	6.2				
S	2.4	1.9	.2	.0	.0			4.6	7.4	6.0	5.4	3.2	3.8				
SW	2.8	2.5	.9	.0	.0			5.7	7.9	7.8	8.3	6.1	6.5				
W	6.1	5.6	.6	.1	.0			12.5	7.7	13.9	14.3	12.3	10.3				
NW	6.1	5.7	1.2	.3	.0			13.4	9.1	11.7	12.3	15.4	14.2				
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0				
CALM	11.1							11.1	.0	10.3	15.4	11.8	7.9				
TOT OBS								66349	9.6	23444	27706	22234	27065				
TOT PCT	45.9	37.5	11.8	4.2	.6			100.0		100.0	100.0	100.0	100.0				

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1959-1979

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AREA CLT8 GULF OF TENQUATEPEC
14.04 94.94

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALC	WIND SPEED (KNOTS)							PCT FREQ	TOTAL OBS
		1-5	6-10	11-20	21-33	34-47	48+	MEAN		
0000	10.3	12.0	47.6	21.0	6.4	1.4	.3	9.4	170.0	23444
0600	15.4	11.4	46.1	16.3	6.3	1.4	.2	8.7	170.0	22706
1200	11.6	10.9	45.9	22.2	7.4	1.7	.2	9.6	100.0	22234
1800	7.9	11.6	44.9	24.7	6.4	2.2	.2	10.4	170.0	27965
TOT								9.6		96349
MEAN	11.1	11.6	46.0	21.4	7.2	1.4	.2	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	7-9	1-4	5-7	6-8	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	11.5	3.4	3.7	1.4	7.2	3.3
NE	7.2	2.5	3.2	1.5	3.7	3.7
E	3.5	2.1	3.7	2.2	3.9	3.9
SE	1.6	1.7	2.3	1.5	3.0	3.0
S	1.3	.9	1.5	1.0	3.5	3.5
SW	1.1	1.7	1.9	1.3	3.5	3.5
W	5.2	2.6	5.1	1.7	3.3	3.3
NW	6.6	2.6	2.7	1.2	2.6	2.6
VAR	.0	.0	.0	.0	2.6	2.6
CALC	6.1	2.1	2.2	.6	7.207	3.4
TOT OBS	44.9	19.4	24.1	12.7	100.0	
TOT PCT						

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR		WIND DIRECTION																							
000 149	150 250	151 504	152 649	153 1940	154 3499	155 4999	156 5047	157 7999	158 8030	159 947	TOTAL AMT	160 WGT												169 OBS	
.01	.	.01	.05	.07	.04	.02	.01	.01	.01	.01	17.8														
.	.	.01	.05	.07	.04	.02	.01	.01	.01	.01	12.3														
.01	.01	.02	.08	1.27	.04	.02	.01	.	.	.	6.5														
.01	.	.02	.05	.03	.01	.	.	.	.	.	4.5													
.	.	.01	.04	.05	.02	.01	.	.	.	.	3.4													
.01	.	.01	.04	.05	.02	.01	.	.	.	.	4.0													
.01	.	.02	.06	.09	.04	.01	.	.	.	.	10.2													
.01	.	.01	.04	.06	.03	.02	.	.	.	.	13.3													
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00														
.01	.	.	.03	.04	.02	.01	.	.	.	.	10.0													
																								7326	
.4	.3	1.1	4.5	6.4	2.4	1.3	.4	.3	.3	.3	82.1													100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>1/8	>0
> 5000	.5	.8	.8	.8	.8	.8	.8	.8
> 3000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
> 2500	2.0	2.2	2.3	2.3	2.3	2.3	2.3	2.3
> 2000	4.3	4.9	5.0	5.0	5.1	5.1	5.1	5.1
> 1500	9.6	11.2	11.4	11.4	11.5	11.5	11.5	11.5
> 1000	12.8	15.4	15.8	15.9	15.9	15.9	15.9	15.9
> 500	15.4	16.3	16.8	16.9	17.0	17.0	17.0	17.0
> 150	15.5	16.5	17.0	17.2	17.2	17.2	17.3	17.3
> 0	15.7	16.6	17.4	17.6	17.7	17.7	17.8	17.8

TOTAL NUMBER OF OBS: 75260

PCT FREQ NM <5/8: 82.2

TABLE 7A

PERCENTAGE FREQ OF LCM CLOUDS (HEIGHTS)

	1	2	3	4	5	6	7	8	OPSCF	TOTAL OBS
20.2	19.1	15.4	11.0	7.2	4.4	4.7	3.4	5.2	.4	79326

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

ANNUAL

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IN. ON - - - -

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
0-3	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2-1	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0
2-5	0	0	0	0	0	0	0	0	0	0	0	0
5-10	0	0	0	0	0	0	0	0	0	0	0	0
10+	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OBS
0-3	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT 1	0	0	0	0	0	0	0	0	0	0	0	0	0
1/2-1	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0
2-5	0	0	0	0	0	0	0	0	0	0	0	0	0
5-10	0	0	0	0	0	0	0	0	0	0	0	0	0
10+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0

PERIOD: (P02HART) 1957-1974
(OVERALL) 1957-1974

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AREA CODE 066 GULF OF TENLANTPEC
14.0N 94.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/24) AND
OCCURRENCE OF "ANY" BY HOUR

HOUR (GMT)	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL OBS	AM 24/24 ANY	TOTAL OBS
0000Z	.3	.2	.6	3.2	5.6	2.4	1.0	.4	.3	.4	14.0	4.0	20365
0600Z	.6	.2	.8	3.9	5.4	2.1	1.0	.3	.7	.3	14.0	4.2	17494
1200Z	.7	.3	1.0	5.6	7.6	3.0	1.3	.3	.3	.3	21.1	7.4	18270
1800Z	.5	.2	1.1	4.6	6.7	3.1	1.5	.5	.3	.3	19.9	6.1	22073
TOT													74407
PCT	.5	.2	1.0	4.3	6.2	2.7	1.2	.4	.3	.3	17.2	4.6	100.0

TABLE 11

PERCENT FREQUENCY VSRY (KMS) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10-15	TOTAL OBS
0000Z	.2	.1	.2	.9	7.1	51.5	23717
0600Z	.2	.1	.2	1.1	9.3	84.0	24726
1200Z	.4	.1	.4	1.5	11.1	86.1	22012
1800Z	.3	.1	.3	1.2	9.1	92.1	27654
TOT							96492
PCT	.3	.1	.3	1.2	9.6	84.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (KMS) AND/OR
CEILING HGT (FEET, AM 24/24) BY HOUR

HOUR (GMT)	<100 <500	<600 <1	<1000 <5	<1000 AND 5+	AM 24/24 ANY	TOTAL OBS
0000Z	.4	1.5	5.3	9.6	85.1	19748
0600Z	.6	1.7	6.4	9.5	94.1	16745
1200Z	.8	2.8	9.1	12.9	77.4	17543
1800Z	.6	2.1	7.2	12.5	80.2	21244
TOT						75280
PCT	.6	2.0	7.1	11.2	91.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	0	0
90/94	.0	.0	.0	.0	.0	.0	.0	.0	1.7	0
85/89	.0	.0	.3	1.9	9.8	2.5	.6	.0	14.4	0
80/84	.0	.1	.4	4.8	23.4	22.9	3.9	.0	55.7	0
75/79	.0	.0	.2	1.1	5.4	8.7	5.4	.0	21.2	0
70/74	.3	.0	.3	.0	.0	1.2	1.4	1.1	4.1	0
65/69	.0	.2	.4	.0	.0	.1	.2	.1	.6	0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL									74689	100.0
PCT	.0	0	.1	1.2	11.0	41.1	35.7	10.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.3	.2	.2	.1	.1	.1	.3	.3	.0	.0
85/89	2.2	2.2	2.1	1.2	.8	.9	2.5	2.4	.0	2.0
80/84	6.0	7.2	7.0	4.2	2.9	3.4	7.5	7.5	.0	6.6
75/79	6.0	3.8	2.0	1.0	.8	1.0	1.4	2.6	.0	2.1
70/74	1.8	1.0	.2	.1	.1	.1	.4	.4	.0	.3
65/69	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
60/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	19.9	14.5	11.6	6.6	4.6	5.6	12.7	13.3	.0	11.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	90	50	50	10	MIN	MEAN	TOTAL OBS
0000Z	96	89	87	82	77	74	82.3	23934
0600Z	94	85	84	81	76	73	80.6	23172
1200Z	94	85	84	81	75	72	80.1	22614
1800Z	97	91	89	83	77	73	83.0	27334
TOT	97	90	87	82	76	73	81.6	94359

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.4	13.9	46.6	30.1	7.4	77	19671		
0600Z	.0	.7	5.4	76.5	13.9	13.2	81	17892		
1200Z	.0	.5	4.5	72.5	46.0	16.4	82	18165		
1800Z	.0	2.5	18.3	46.9	25.3	6.9	79	21331		
TOT	.0	6.95	63.7	317.9	275.75	83.54	79	77244		

PERIOD: (PP)MAY 1952-1979
(OVER-ALL) 1959-1979

TABLE 17

AREA CODE: GULF OF GUANAJUATO
14-07 04-00

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

ATP-SEF TYP DIR	61 64	67 69	69 72	73 76	77 80	81 84	85 88	89 92	902	TOT	% FOG	% Fog
23/25	0	0	0	0	0	0	0	0	0	1	0	0
27/22	0	0	0	0	0	0	0	0	0	0	0	0
17/19	0	0	0	0	0	0	0	0	0	0	0	0
14/16	0	0	0	0	0	0	0	0	0	0	0	0
11/13	0	0	0	0	0	0	0	0	0	0	0	0
9/10	0	0	0	0	0	0	0	0	0	0	0	0
7/8	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-1	0	0	0	0	0	0	0	0	0	0	0	0
-2	0	0	0	0	0	0	0	0	0	0	0	0
-3	0	0	0	0	0	0	0	0	0	0	0	0
-4	0	0	0	0	0	0	0	0	0	0	0	0
-5	0	0	0	0	0	0	0	0	0	0	0	0
-6	0	0	0	0	0	0	0	0	0	0	0	0
-7	0	0	0	0	0	0	0	0	0	0	0	0
-8	0	0	0	0	0	0	0	0	0	0	0	0
-9	0	0	0	0	0	0	0	0	0	0	0	0
-10	0	0	0	0	0	0	0	0	0	0	0	0
-11	0	0	0	0	0	0	0	0	0	0	0	0
-12	0	0	0	0	0	0	0	0	0	0	0	0
-13	0	0	0	0	0	0	0	0	0	0	0	0
-14	0	0	0	0	0	0	0	0	0	0	0	0
-15	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0	0	0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT'S (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34-47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34-47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERIOD: (OVER-ALL) 1963-1970

ANNUAL
TABLE 1A (CONT.)

1-1A 1750 GULF OF TEMUANTEPEC
14.0N 94.9W

PERCENT FREQUENCY OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49-66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
0-1	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	0	0
20-22	0	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0	0
49-66	0	0	0	0	0	0	0	0
67-70	0	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0

PERIOD: (OVER-ALL) 1969-1974

TABLE 1A

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	0-1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-66	67-70	71-86	87+	TOTAL	MEAN
0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERIOD (PRIMARY) 1952-1971
 (OVER-ALL) 1859-1971

TABLE 20

AREA CODE GULF OF TEHUANTEPEC
 14.0N 94.7W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TEMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	0	0	0	0	0	0	0	0	0	0	0	0	3	0
95/96	0	0	0	0	0	0	0	0	0	0	0	0	11	0
93/94	0	0	0	0	0	0	0	0	0	0	0	0	61	0
91/92	0	0	0	0	0	0	0	0	0	0	0	0	245	0
89/90	0	0	0	0	0	0	0	0	0	0	0	0	11	0
87/88	0	0	0	0	0	0	0	0	0	0	0	0	751	0
85/86	0	0	0	0	0	0	0	0	0	0	0	0	2086	0
83/84	0	0	0	0	0	0	0	0	0	0	0	0	23470	0
81/82	0	0	0	0	0	0	0	0	0	0	0	0	17572	0
79/80	0	0	0	0	0	0	0	0	0	0	0	0	7577	0
77/78	0	0	0	0	0	0	0	0	0	0	0	0	4191	0
75/76	0	0	0	0	0	0	0	0	0	0	0	0	2791	0
73/74	0	0	0	0	0	0	0	0	0	0	0	0	1690	0
71/72	0	0	0	0	0	0	0	0	0	0	0	0	1100	0
69/70	0	0	0	0	0	0	0	0	0	0	0	0	600	0
67/68	0	0	0	0	0	0	0	0	0	0	0	0	216	0
65/66	0	0	0	0	0	0	0	0	0	0	0	0	110	0
63/64	0	0	0	0	0	0	0	0	0	0	0	0	44	0
61/62	0	0	0	0	0	0	0	0	0	0	0	0	11	0
59/60	0	0	0	0	0	0	0	0	0	0	0	0	1	0
57/58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55/56	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53/54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51/52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49/50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47/48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45/46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43/44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41/42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39/40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37/38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35/36	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33/34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31/32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29/30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27/28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7017	6633	7762	7756	8444	7963	8010	7442	7577	7563	7463	6657	90110	100.0
MEAN	79.2	79.6	81.5	83.7	85.4	84.6	84.4	84.7	84.1	83.0	81.1	79.8	82.5	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1011	1012	1013	1011	1012	1013	1014	1011	1012	7020
FEB	1011	1012	1013	1012	1012	1013	1013	1011	1012	7103
MAR	1010	1011	1012	1011	1012	1012	1013	1011	1012	8016
APR	1010	1011	1012	1010	1011	1012	1012	1010	1011	7684
MAY	1009	1010	1012	1010	1011	1011	1012	1010	1011	8752
JUN	1010	1011	1012	1010	1010	1011	1012	1010	1011	8212
JUL	1010	1011	1012	1010	1011	1012	1012	1010	1012	8272
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	8066
SEP	1009	1010	1011	1009	1010	1011	1012	1009	1011	7444
OCT	1010	1011	1012	1009	1011	1011	1012	1009	1011	7680
NOV	1011	1012	1012	1010	1012	1012	1012	1010	1012	7547
DEC	1011	1012	1013	1011	1012	1012	1013	1011	1012	6796
ANN	1010	1011	1012	1010	1011	1012	1012	1010	1011	9303
OBS 21971	973	20032	1680	19744	2014	24769	1856			

PERCENTILES

MO	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	999	1007	1009	1011	1013	1014	1017	1024
FEB	998	1007	1009	1011	1012	1014	1017	1023
MAR	998	1006	1008	1010	1012	1013	1016	1021
APR	1000	1006	1008	1010	1011	1013	1016	1020
MAY	1000	1005	1007	1009	1011	1012	1014	1022
JUN	997	1004	1007	1009	1011	1012	1014	1022
JUL	994	1006	1008	1010	1012	1013	1016	1021
AUG	998	1006	1008	1010	1011	1013	1016	1020
SEP	1000	1005	1007	1009	1011	1012	1014	1020
OCT	1000	1004	1007	1010	1011	1012	1014	1020
NOV	1000	1005	1008	1010	1012	1013	1016	1021
DEC	1001	1007	1009	1011	1012	1014	1017	1022

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1962-1976

JANUARY

AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PERCENT FREQUENCY OF WEATHER OCCURRENCES															
WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHLR	ORZL	FRZG PCPN	SNOW	OTHER FZRN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	IMDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.0	1.0	.1	98.3
NE	.0	.2	.1	.0	.0	.0	.1	.3	.3	.1	.1	.0	.5	.1	98.7
E	.1	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	99.0
SE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	98.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	98.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	2.6	.0	99.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	97.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	2.3	.0	97.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.1	98.5
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.1	98.5
TOT OBS:	6921														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PERCENT FREQUENCY OF WEATHER OCCURRENCE															
HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	IMDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00Z03	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	.1	.0	1.0	.0	98.8
06Z09	.0	.1	.1	.0	.0	.0	.0	.2	.1	.5	.2	.0	.9	.1	98.2
12Z15	.0	.1	.1	.0	.0	.0	.0	.1	.2	.4	.1	.0	1.1	.1	97.1
18Z21	.1	.1	.0	.0	.0	.0	.0	.2	.2	.0	.1	.0	.6	.1	98.9
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.1	.0	.9	.1	98.4
TOT OBS:	7126														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-3	4-10	11-21	22-33	34-47	48+	49+				00	03	06	09	12
N	3.1	12.3	2.5	.1	.0	.0	.0	18.1	7.1	13.1	10.9	18.9	18.3	25.4	24.6
NE	2.5	15.6	10.4	1.4	.1	.0	.0	29.7	10.6	28.5	29.3	21.9	31.4	30.3	36.2
E	1.7	12.0	9.5	1.1	.1	.0	.0	24.3	11.0	25.4	26.7	19.9	22.2	22.9	20.2
SE	.7	2.8	.7	.0	.0	.0	.0	4.1	7.2	7.2	4.1	4.8	2.4	2.3	2.8
S	.3	.7	.1	.0	.0	.0	.0	1.1	6.2	2.0	.9	1.3	.8	.5	.0
SW	.5	.8	.0	.0	.0	.0	.0	1.3	5.3	2.7	2.1	1.3	.3	2.2	1.2
W	.9	2.5	.5	.0	.0	.0	.0	3.9	6.5	6.8	7.2	4.4	3.3	9.9	7.3
NW	1.6	6.2	1.1	.0	.0	.0	.0	8.9	6.8	8.0	7.1	11.6	8.2	9.9	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.5							8.5	8.4	5.9	11.7	15.9	13.3	8.2	4.7
TOT OBS	1506	4025	1858	201	17	0	7607	100.0		1653	145	1687	180	1554	214
TOT PCT	19.8	52.9	24.4	2.6	.2	.0				100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	09
N	9.8	7.7	.0	.1	.0	18.1	7.2	13.1	10.9	18.9	18.3	25.4
NE	9.1	15.9	4.4	.3	.0	29.7	10.6	28.5	29.3	21.9	31.4	30.3
E	6.5	13.6	3.9	.2	.0	24.3	11.0	25.4	26.7	19.9	22.2	22.9
SE	2.3	1.7	.1	.0	.0	4.1	7.2	7.2	4.1	4.8	2.4	2.3
S	.8	.2	.0	.0	.0	1.1	6.2	2.0	.9	1.3	.8	.5
SW	.9	.5	.0	.0	.0	1.3	5.3	2.7	2.1	1.3	.3	2.2
W	2.3	1.5	.1	.0	.0	3.9	6.5	6.8	7.2	4.4	3.3	9.9
NW	5.1	3.7	.1	.0	.0	8.9	6.8	8.0	7.1	11.6	8.2	9.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.5					8.5	8.4	5.9	11.7	15.9	13.3	8.2
TOT OBS	3453	3392	104	51	2	7607		1653	145	1687	180	1554
TOT PCT	45.4	44.7	9.3	.7	.0			100.0	100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1862-1979AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	6.3	10.0	57.6	24.7	1.3	.0	.0	8.3	100.0	1798
0600	15.6	14.1	53.5	15.0	1.6	.2	.0	6.7	100.0	1867
1200	7.7	11.7	54.6	21.5	2.4	.0	.0	8.3	100.0	1768
1800	4.9	.5	47.2	15.0	4.8	.6	.0	10.1	100.0	2174
TOT	650	656	4025	1858	201	17	0	8.4		7607
PCT	6.5	11.3	52.9	24.4	2.6	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	13.7	2.3	1.7	.3		1.6
NE	22.2	4.1	2.4	.3		1.5
E	19.3	3.4	2.0	.3		1.4
SE	3.4	.5	.4	.0		1.5
S	.9	.1	.1	.0		1.3
SW	1.0	.1	.2	.0		1.6
W	3.0	.6	.2	.1		1.4
NW	6.5	1.4	.8	.1		1.6
VAR	.0	.0	.0	.0		.0
CALM	6.7	1.0	.7	.2		1.3
TOT OBS	4495	789	500	77	5861	1.5
TOT PCT	76.7	13.5	8.5	1.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

PCT	149	150	300	600	1200	2000	3500	5000	6500	9000+	NM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.3	.2	.1	.0	.0	.1	17.2	
NE	.0	.0	.1	.1	.4	.3	.1	.0	.1	.0	27.6	
E	.0	.0	.3	.4	.3	.1	.0	.0	.0	.0	23.8	
SE	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	4.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
SW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.2	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
NW	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	8.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	4.1	
TOT OBS	4	1	8	47	99	57	25	9	9	15	5861	5861
TOT PCT	.1	.0	.1	.8	1.7	1.0	.4	.2	.2	.3	95.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
≥ OR >6500	.3	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
≥ OR >3500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ OR >2000	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ OR >1000	3.3	3.6	3.7	3.6	3.6	3.6	3.6	3.6
≥ OR >600	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ OR >300	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ OR >150	4.2	4.5	4.6	4.6	4.6	4.6	4.6	4.6
≥ OR >0	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6
TOTAL	258	276	276	276	276	276	276	276

TOTAL NUMBER OF OBS 6013

PCT FREQ NM <5/8: 95.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	10	TOTAL OBS
48.7	26.1	10.5	6.5	3.5	1.8	1.4	.8	.7	.0	.0	6262

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1962-1979

JANUARY

AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS		18.5	29.7	24.4	4.2	1.1	1.2	3.6	9.0	.0	8.2	100.0	6904

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPEED KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS		18.5	29.7	24.4	4.2	1.1	1.2	3.6	9.0	.0	8.2	100.0	7346

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1962-1975

AREA 0009 GUATEMALA SW COAST
13.9N 90.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	100 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.3	.8	.5	.7	.1	.0	.2	2.5	97.5	1587
06009	.1	.0	.1	.5	1.4	.9	.1	.2	.2	.3	3.0	96.2	1516
12015	.1	.1	.3	1.6	2.6	1.0	.5	.2	.3	.4	7.2	92.8	1477
18021	.1	.0	.2	.6	.6	1.3	.4	.1	.1	.1	4.6	95.4	1666
TOT	4	1	8	49	100	58	26	9	9	15	279	5757	6246
PCT	1	*	.1	.6	1.6	.9	.4	.1	.1	.2	4.5	95.5	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.1	.5	1.6	97.8	1606
06009	.1	.0	.1	.3	3.1	96.4	1975
12015	.1	.0	.1	.4	5.7	95.7	1779
18021	.1	.0	.0	.1	2.7	97.6	2091
TOT	4	0	4	26	195	7324	7553
PCT	.1	.0	.1	.3	2.4	97.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 FEET	<500 FEET	<1000 FEET	1000+ FEET	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.4	2.3	97.7	1534
06009	.1	.1	1.0	3.1	95.9	1465
12015	.1	.5	2.3	5.4	92.4	1419
18021	.1	.3	1.3	3.6	95.1	1594
TOT	4	13	73	216	5725	6013
PCT	.1	.2	1.2	3.6	95.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	*	.0	.0	.0	4	.1
90/94	.0	.0	*	.2	.3	.1	.1	.0	40	.7
85/89	.0	.0	*	.6	2.4	2.3	.2	.1	340	5.7
80/84	.0	.0	*	1.1	11.3	37.4	14.0	2.4	3501	59.2
75/79	.0	.0	.0	.2	1.9	9.9	15.2	5.5	1934	32.7
70/74	.0	.0	.0	.0	.1	.2	.5	.9	94	1.6
65/69	.0	.0	.0	.0	.0	.0	*	*	3	.1
TOTAL	0	0	4	124	943	2532	1748	523	5916	100.0
PCT	.0	.0	.1	2.1	15.9	42.8	30.2	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	.0	.0	.0	*	*	.0	.0
.1	.3	.2	*	.0	.0	*	*	.0	.1
1.2	1.3	1.5	.3	.1	.1	.2	.6	.0	.4
9.6	16.6	15.7	2.7	.8	1.1	2.7	5.3	.0	4.6
6.7	10.8	6.4	1.1	.2	.2	.9	2.8	.0	3.2
.4	.6	.3	*	.0	.0	*	.1	.0	.1
*	*	.0	.0	.0	.0	*	*	.0	.0
18.0	29.7	24.5	4.1	1.2	1.4	3.9	8.8	.0	8.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	88	85	81	76	74	70	80.6	1640
06009	86	84	82	80	75	72	69	79.3	1939
12015	87	83	82	79	75	72	64	79.1	1806
18021	95	90	87	82	77	75	68	82.1	2183
TOT	95	88	85	80	76	73	68	80.4	7768

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	2.1	23.0	46.6	22.3	5.9	76	1523		
06009	.0	.4	5.0	42.4	37.0	12.1	80	1501		
12015	.0	.7	7.4	38.0	39.3	14.5	81	1458		
18021	.0	5.2	23.6	43.6	23.4	4.2	74	1465		
TOT	0	132	960	2600	1944	551	78	6087		

JANUARY

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1962-1979AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AID-SEA TEMP DIF	65	69	73	77	81	85	89	>92	TOT	% FOG	NO FOG
TEMP DIF	63	72	76	80	84	88	92				
14/16	.0	.0	.0	.0	*	*	.1	.1	12	.0	.2
11/13	.0	.0	.0	*	.2	.1	.2	.1	42	.0	.6
9/10	.0	.0	*	.1	.2	.3	.2	.0	50	.0	.8
7/8	.0	.0	*	.2	.5	.7	.3	.0	109	.0	1.7
6	.0	.0	*	.4	.5	.5	.1	.0	95	.0	1.5
5	.0	.0	.1	.5	1.0	.8	.1	.0	156	.0	2.4
4	.0	.0	.1	1.1	2.3	.8	*	.0	284	.0	4.4
3	.0	.0	.2	1.2	2.0	.7	*	.0	270	.0	4.1
2	.0	*	.4	2.7	4.7	.6	*	.0	558	*	8.5
1	*	*	.4	3.6	4.6	.4	.0	.0	592	*	9.0
0	.0	*	.8	7.4	8.3	.3	.0	.0	1100	*	16.9
-1	.0	*	.7	6.5	6.0	.1	.0	.0	868	*	13.3
-2	.0	.1	.4	9.1	4.6	.0	.0	.0	947	*	14.5
-3	.0	*	.4	5.2	2.5	*	.0	.0	531	.0	8.1
-4	*	.1	.6	4.7	1.3	.0	.0	.0	439	.0	6.7
-5	.0	*	.4	2.2	.7	.0	.0	.0	212	.0	3.3
-6	.0	.0	.4	1.3	.1	.0	.0	.0	119	.0	1.8
-7/-4	.0	.1	.4	.9	.1	.0	.0	.0	94	.0	1.4
-9/-10	.0	.1	.1	.3	*	.0	.0	.0	34	.0	.5
-11/-13	*	.0	*	*	.0	.0	.0	.0	4	.0	.1
TOTAL	3	20	386	3091	351	60	9	6516	8	6508	
PCT	*	.5	5.0	47.4	39.7	5.4	.9	100.0	.1	99.9	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	NE	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	3.5	.0	.0	.0	.0	5.0	1.1	2.6	.0	.0	.0	.0	.0	3.7
1-2	1.1	7.1	.5	.0	.0	.0	8.7	.4	9.0	2.5	.0	.0	.0	.0	11.9
3-4	.2	2.9	1.4	.0	.0	.0	4.4	.3	4.9	5.0	.2	.0	.0	.0	10.4
5-6	.0	.2	.3	.0	.0	.0	.5	.0	.9	3.5	.3	.0	.0	.0	4.6
7	.0	.1	.1	.0	.0	.0	.2	.0	.3	.9	.5	.0	.0	.0	1.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	13.7	2.5	.0	.0	.0	18.9	1.9	17.9	12.1	1.7	*	.0	.0	33.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	SE	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.4	.0	.0	.0	.0	2.7	.4	.7	.0	.0	.0	.0	.0	1.1
1-2	.5	5.8	1.4	.0	.0	.0	7.4	.3	.9	.1	.0	.0	.0	.0	1.3
3-4	.1	3.4	3.1	.1	.0	.0	6.8	*	.3	.1	.0	.0	.0	.0	.5
5-6	.0	.5	3.0	.4	.0	.0	3.9	.0	.1	.1	.0	.0	.0	.0	.1
7	.0	.2	.6	.3	.1	.0	1.3	.0	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	12.3	4.9	1.0	.1	.0	23.2	.7	2.0	.5	.0	.0	.0	.0	3.2

PERIOD: (OVER-ALL) 1963-1974

JANUARY

AREA 0009 GUATEMALA 5m COAST
11-0N 90-0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S								SW							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.5	.0	.0	.0	.0	.5	.0	.2	.1	.0	.0	.0	.3	
1-2	.2	.5	.0	.0	.0	.0	.7	.1	.5	.0	.0	.0	.0	.6	
3-4	.0	.0	.1	.0	.0	.0	.1	.0	*	*	.0	.0	.0	*	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	1.0	.1	.0	.0	.0	1.2	.1	.8	.1	.0	.0	.0	1.0	

h								SW								TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<1	.4	.6	.0	.0	.0	.0	1.0	.8	1.7	.1	.0	.0	.0	2.5		
1-2	.1	.7	.3	.0	.0	.0	1.1	.5	3.1	.0	.0	.0	.0	3.6		
3-4	.1	.6	.1	.0	.0	.0	.8	.1	1.1	.0	.0	.0	.0	2.0		
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.1		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.5	1.9	.4	.0	.0	.0	2.9	1.3	6.1	1.3	.0	.0	.0	8.7	92.6	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.6	12.4	.1	.0	.0	.0	25.2	065
1-2	3.9	26.9	4.9	.0	.0	.0	35.6	
3-4	.7	12.9	10.4	.4	.0	.0	24.4	
5-6	.1	1.9	6.8	.7	.0	.0	9.4	
7	.0	.6	1.9	.8	.1	.0	3.4	
8-9	.0	.1	.6	.5	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.1	.2	.0	.0	.4	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.4	54.7	25.2	2.6	.1	.0	100.0	1400

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.7	17.5	16.7	7.4	2.7	1.0	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2754	3
6-7	.2	2.2	6.8	6.7	3.1	1.2	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1121	5
8-9	.1	.8	1.7	1.9	1.8	.7	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	401	6
10-11	.0	.8	.6	.6	.6	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	157	5
12-13	.0	.0	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	6
>13	.0	.0	.0	.3	.2	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	9
INDET	8.0	1.6	1.6	1.0	.4	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	681	2
TOTAL	785	1201	1461	968	472	180	85	39	25	17	5	1	0	0	0	0	0	0	0	5239	4
PCT	15.0	22.9	27.9	18.5	9.0	3.4	1.6	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1871-1979

FEBRUARY

AREA 0009 GUATEMALA SW COAST
12.04 91.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LING	FOG W0 PCPN	FOG W0 PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WFA
N	.1	.	.0	.0	.0	.0	.1	.0	.1	.1	.0	.9	.1	98.8
NE	.	.2	.0	.0	.0	.2	.4	.2	.1	.	.0	.8	.0	98.4
E	.2	.1	.1	.0	.0	.0	.3	.2	.1	.1	.0	.6	.0	98.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.0	.0	98.9
S	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	1.2	.0	98.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	1.2	.0	98.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	2.6	.0	98.8
NW	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	1.5	.0	98.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.0	4.9	.0	98.2
TOT PCT	.1	.1	.	.0	.0	.	.2	.1	.1	.1	.0	1.3	.	98.1
TOT OBS:	6958													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAUL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LING	FOG W0 PCPN	FOG W0 PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WFA
0600	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0	.9	.1	98.9
0630	.0	.1	.0	.0	.0	.1	.1	.0	.3	.1	.0	1.6	.0	97.9
12015	.1	.2	.0	.0	.0	.1	.3	.3	.2	.2	.0	1.6	.0	97.4
16021	.2	.1	.1	.0	.0	.1	.3	.2	.1	.1	.0	1.1	.0	98.3
TOT PCT	.1	.1	.	.0	.0	.	.2	.1	.1	.1	.0	1.3	.	98.1
TOT OBS:	7160													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	3.0	10.5	2.0	.1	.0	.0		15.6	6.9	10.3	10.4	15.1	17.2	20.7	19.4	16.5	14.8
NE	2.1	13.3	7.9	1.0	.	.0		24.3	10.2	20.9	27.0	19.1	21.2	25.0	33.7	30.0	27.9
E	2.4	12.3	10.5	1.1	.1	.0		26.3	10.9	24.5	18.3	20.4	27.1	25.5	22.0	30.1	27.6
SE	.4	2.4	.9	.	.0	.0		4.7	7.6	8.1	4.7	5.2	1.2	2.8	2.8	3.0	6.7
S	.5	1.3	.2	.	.0	.0		2.1	6.1	3.6	3.0	2.2	.6	.7	.7	1.9	2.1
SW	.6	1.3	.1	.0	.0	.0		1.9	5.9	4.4	5.3	1.7	.6	.4	1.2	1.1	3.7
W	1.2	3.1	.3	.	.0	.0		4.7	6.2	7.8	5.5	6.2	1.2	2.5	3.3	2.8	4.0
NW	2.1	6.7	1.2	.	.	.0		10.1	6.7	6.0	9.5	11.8	10.2	11.8	10.2	9.1	8.2
VAR	.0	.0	.0	.	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.3							10.3	.0	7.6	16.0	18.1	19.7	10.9	6.8	5.5	4.9
TOT OBS	1736	3693	1763	171	9	0	7572		6.0	1692	150	166	166	1572	222	1910	204
TOT PCT	22.4	51.0	23.3	2.1	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OPS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	2.1	6.1	.4	.	.0		15.6	6.9	10.3	15.3	20.5	16.3
NE	8.0	12.6	3.6	.1	.0		24.3	10.2	21.4	19.3	26.0	29.8
E	7.5	14.1	4.5	.2	.0		26.3	10.9	26.5	21.1	25.1	29.8
SE	2.4	2.1	.2	.0	.0		4.7	7.6	7.8	5.0	2.6	3.4
S	1.4	.6	.1	.	.0		2.1	6.1	3.5	2.0	.7	2.0
SW	1.3	.6	.	.0	.0		1.9	5.9	4.5	1.6	.5	1.3
W	2.9	1.8	.	.	.0		4.7	6.2	7.6	5.8	2.6	2.9
NW	6.1	3.7	.2	.	.0		10.1	6.7	8.1	11.7	11.6	9.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.3						10.3	.0	8.2	16.2	10.3	5.4
TOT OPS	3712	3151	679	30	0	7572		6.0	1832	1832	1794	2114
TOT PCT	49.0	41.6	9.0	.4	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1971-1979AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)				48+ KNOTS	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47			
0000	8.2	12.0	55.6	23.0	1.1	.6	.6	7.9	100.0
0600	18.2	13.5	53.9	14.1	.7	.1	.7	6.2	100.0
1200	10.3	13.0	52.0	21.5	2.3	.2	.6	7.4	100.0
1800	5.4	11.3	45.6	33.0	4.5	.2	.6	9.8	100.0
TOT	783	943	3893	1763	171	9	0	9.0	7577
PCT	10.3	12.6	51.4	23.3	2.3	.1	.6	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	11.1	2.5	1.5	.3	1.7	1.7
NE	17.2	4.5	2.7	.5	1.7	1.7
E	20.1	4.4	2.3	.3	1.5	1.5
SE	3.8	.5	.4	.1	1.4	1.4
S	1.5	.3	.7	.9	1.5	1.5
SW	1.5	.1	.2	.1	1.4	1.4
W	3.5	.7	.5	.1	1.6	1.6
NW	7.2	1.7	1.0	.2	1.8	1.8
VAR	.0	.0	.0	.0	.0	.0
CALM	8.2	1.0	.3	.1	1.2	1.2
TOT OBS	4326	891	546	91	5846	1.6
TOT PCT	74.0	12.1	9.3	1.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M, DMP)
AND OCCURRENCE OF AM (K/8) BY WIND DIRECTION

WIND DIRECTION																		
WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER	000	150	200	400	1000	2000	3500	5000	6500	8000+	AM (K/8)	TOTAL OBS
							149	249	193	550	1098	1490	4649	5659	7946	60000	587	
N	11.1	2.5	1.5	.3	1.7	1.7	4	.6	.0	.1	.2	.2	.1	.7	.8	.1	14.7	
NE	17.2	4.5	2.7	.5	1.7	1.7	8	.8	.1	.2	.5	.4	.1	.8	.8	.8	22.6	
E	20.1	4.4	2.3	.3	1.5	1.5	11	.8	.0	.2	.4	.2	.2	.8	.8	.8	25.6	
SE	3.8	.5	.4	.1	1.4	1.4	10	.7	.0	.0	.1	.8	.1	.8	.8	.8	4.5	
S	1.5	.3	.7	.9	1.5	1.5	10	.7	.0	.8	.8	.8	.8	.8	.8	.8	1.9	
SW	1.5	.1	.2	.1	1.4	1.4	8	.6	.8	.8	.8	.8	.8	.8	.8	.8	1.7	
W	3.5	.7	.5	.1	1.6	1.6	10	.7	.0	.8	.1	.1	.8	.8	.8	.8	4.4	
NW	7.2	1.7	1.0	.2	1.8	1.8	8	.6	.0	.1	.2	.1	.8	.1	.8	.8	6.5	
VAR	.0	.0	.0	.0	.0	.0	10	.7	.0	.0	.0	.0	.8	.8	.8	.8	.0	
CALM	8.2	1.0	.3	.1	1.2	1.2	10	.7	.8	.1	.2	.1	.1	.8	.8	.8	9.6	
TOT OBS	4326	891	546	91	5846	1.6	8	1	5	5	99	32	30	9	7	14	5846	
TOT PCT	74.0	12.1	9.3	1.6	100.0		.1	.4	.1	.9	1.7	1.2	.5	.2	.1	.2	5846	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 24/8) AND VSBY (AM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (AM)				≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD				
≥ OR 35000	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
≥ OR 35000	.4	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
≥ OR 35000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ OR 35000	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
≥ OR 35000	3.6	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ OR 35000	4.5	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
≥ OR 35000	4.5	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
≥ OR 35000	4.6	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
≥ OR 35000	4.7	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
TOTAL	241	305	309	310	310	310	311	311	311	311	311

TOTAL NUMBER OF OBS 5094

PCT FREQ AM (K/8) 94.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

C	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
48.6	22.9	12.2	7.4	3.7	2.0	1.5	1.0	.7	.1	6286

PERIOD: (PRIMARIES) 1955-1976
(COVER-ALL) 1971-1979

FEBRUARY

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, M) AND
OCCURRENCE OF AM (5/8) BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	AM (5/8) ANY MGT	TOTAL OBS
0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.7	97.3	1537
0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	96.4	1513
1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.2	94.8	1503
1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.6	94.4	1638
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	314	5057
PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0	95.0	100.0

TABLE 11

PERCENT FREQUENCY (5/8) (MGT) BY HOUR

HOUR (GMT)	0-2	2-4	4-6	6-8	8-10	10-12	12-14	TOTAL OBS
0000	0	0	0	0	0	0	0	1537
0600	0	0	0	0	0	0	0	1513
1200	0	0	0	0	0	0	0	1503
1800	0	0	0	0	0	0	0	1638
TOT	0	0	0	0	0	0	0	5057
PCT	0	0	0	0	0	0	0	100.0

TABLE 12

PERCENT FREQUENCY (5/8) (MGT) BY HOUR

HOUR (GMT)	0-2	2-4	4-6	6-8	8-10	10-12	12-14	TOTAL OBS
0000	0	0	0	0	0	0	0	1537
0600	0	0	0	0	0	0	0	1513
1200	0	0	0	0	0	0	0	1503
1800	0	0	0	0	0	0	0	1638
TOT	0	0	0	0	0	0	0	5057
PCT	0	0	0	0	0	0	0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	0	0	0	0	0	0	0	0	0	0
85/89	0	0	0	0	0	0	0	0	0	0
80/84	0	0	0	0	0	0	0	0	0	0
75/79	0	0	0	0	0	0	0	0	0	0
70/74	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	0	0	0	0	0	0	0	0	0	0
85/89	0	0	0	0	0	0	0	0	0	0
80/84	0	0	0	0	0	0	0	0	0	0
75/79	0	0	0	0	0	0	0	0	0	0
70/74	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0
PCT	0	0	0	0	0	0	0	0	0	0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	63	68	71	77	77	77	68	71.0	1537
0600	68	73	76	77	77	77	69	70.5	1513
1200	69	74	77	77	77	77	70	70.2	1503
1800	74	79	82	77	77	77	70	77.3	1638
TOT	64	69	71	77	77	77	68	70.6	5057

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	0	0	0	0	0	0	0	0	0	1537
0600	0	0	0	0	0	0	0	0	0	1513
1200	0	0	0	0	0	0	0	0	0	1503
1800	0	0	0	0	0	0	0	0	0	1638
TOT	0	0	0	0	0	0	0	0	0	5057

FEbruary

PERIOD: (PRE-WAR) 1953-1974
(OVER-ALL) 1971-1974

AREA 0009 GUATEMALA SW COAST
12.0N 91.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 72	73 76	74 80	81 84	85 88	89 92	>92	TOT FOG	NO FOG
17-19	.0	.0	.0	.0	.0	.0	.0	3	.0
14-16	.0	.0	.0	.1	.0	.0	.0	9	.1
11-13	.0	.0	.0	.2	.1	.1	.0	30	.5
8-10	.0	.0	.1	.2	.2	.0	.0	54	.8
7/6	.0	.0	.4	.7	.7	.3	.0	140	2.1
6	.0	.0	.4	.4	.1	.1	.0	85	1.4
5	.0	.1	.6	1.0	.7	.2	.0	167	2.6
4	.0	.2	.5	2.1	1.2	.0	.0	240	4.4
3	.0	.3	1.0	2.1	1.0	.0	.0	286	4.4
2	.0	.4	2.3	5.1	.0	.0	.0	551	8.6
1	.0	.6	3.1	4.7	.2	.0	.0	434	6.7
0	.0	.7	6.7	5.4	.2	.0	.0	1115	17.1
-1	.0	.6	6.4	6.4	.1	.0	.0	896	13.7
-2	.0	.5	7.7	4.7	.0	.0	.0	652	11.0
-3	.0	.4	5.5	2.5	.0	.0	.0	545	8.4
-4	.0	.6	4.4	.5	.0	.0	.0	347	5.9
-5	.0	.3	2.5	.5	.0	.0	.0	214	3.3
-6	.0	.2	1.4	.2	.0	.0	.0	121	1.8
-7/-8	.0	.4	.5	.1	.0	.0	.0	84	1.3
-9/-10	.0	.2	.2	.0	.0	.0	.0	25	.4
-11/-12	.0	.0	.0	.0	.0	.0	.0	7	.1
-13/-14	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	21	160	7917	475	70	7	1500	8	5512
PCT	.3	2.5	44.7	22.0	6.2	1.1	.1	170.0	99.9

PERIOD: (OVER-ALL) 1953-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	10.2	2.4	.2	.0	.0	14.7	1.7	13.5	10.3	1.7	.0	.0	27.3

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	12.4	17.1	2.0	.1	.0	28.2	.6	2.4	.0	.0	.0	.0	4.4

12-04 61,00

13-25 61-30

13-25 61-30

[illegible]

10:34
6C*

81

1007

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

WELLS
WGT
3
5
6
5
4
7
1
3

PERIOD: (PRI-MARY) 1951-1974
(OVER-ALL) 1970-1974

MARCH

APEX 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA							
WIND DIR	RAIN	PAHA SMOG	DRZL	FRZG PCPN	SNOG	OTHER FZLN PCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THDR LING	FOG PCPN	FOG NO PCPN	SMOKE	SPRAY	BLDG DUST	NO SIG	
N	.2	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	3.5	.1	.0	95.3	
NE	.0	.0	.1	.0	.0	.0	.0	.1	.2	.2	.2	.0	2.0	.1	.0	97.3	
E	.1	.1	.1	.0	.0	.0	.0	.3	.1	.2	.2	.0	2.0	.1	.0	97.2	
SE	.0	.2	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	4.9	.0	.0	94.0	
S	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.5	.0	6.2	.0	.0	91.8	
SW	.0	.1	.0	.0	.0	.0	.0	.5	.0	1.0	1.0	.0	4.1	.0	.0	89.3	
W	.4	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.0	1.3	.0	.0	93.7	
NW	.1	.1	.0	.0	.0	.0	.0	.3	.4	.2	.1	.0	3.1	.0	.0	96.0	
WIND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.1	.0	.0	.0	.0	.0	.1	.2	.5	.1	.0	7.5	.0	.0	91.5	
TOT PCP	.1																
TOT OBS: 7603	.1	.1	.0	.0	.0	.0	.0	.2	.2	.3	.2	.0	3.7	.0	.0	95.4	

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	PAHA SMOG	DRZL	FRZG PCPN	SNOG	OTHER FZLN PCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THDR LING	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAIR	SPRAY BLDG DUST	NO SIG	
0200	.0	.1	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	1.0	.0	96.6	
0600	.1	.1	.0	.0	.0	.0	.0	.1	.2	.0	.2	.0	3.2	.0	95.3	
1200	.3	.2	.1	.0	.0	.0	.0	.9	.2	.2	.2	.0	6.7	.0	93.8	
1900	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	3.5	.1	95.5	
TOT PCP	.1															
TOT OBS: 8123	.1	.1	.0	.0	.0	.0	.0	.2	.2	.3	.2	.0	3.6	.0	95.3	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR		WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
		0-3	4-10	11-21	22-23	24-47	48+				00	03	06	09	12	15	18	21
N	3.0	9.6	1.3	.1	.0	.0		14.1	6.4	7.7	10.4	14.4	14.0	19.4	14.1	15.3	12.2	
NE	2.7	10.4	5.9	.4	.0	.0		19.3	9.8	16.7	15.4	15.4	21.4	21.4	25.2	22.6	20.7	
E	2.2	11.4	9.4	1.2	.0	.0		24.6	10.4	26.1	14.3	14.7	21.4	20.4	25.2	31.1	30.4	
SE	1.2	6.5	1.2	.0	.0	.0		6.4	7.6	12.4	4.4	7.5	11.4	1.4	6.1	6.2	4.5	
S	.7	1.4	.1	.0	.0	.0		2.4	5.7	4.4	1.4	2.2	1.4	1.4	2.0	1.5	2.4	
SW	.0	.0	.2	.0	.0	.0		2.7	6.0	3.4	1.3	2.3	2.4	1.4	2.5	2.2	7.2	
W	1.0	4.2	.7	.0	.0	.0		6.4	6.5	6.4	14.1	7.1	5.4	5.1	4.3	4.1	7.4	
NW	2.0	8.0	1.2	.0	.0	.0		11.2	6.7	8.4	13.5	12.1	5.4	13.3	7.7	10.4	7.1	
WIND	.7	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	17.1							12.1	.0	4.0	17.0	14.3	15.0	17.1	10.4	4.7	7.4	
TOT OBS	2165	3463	1714	140	8	0	9532		7.5	1448	131	1444	149	2434	221	2100	215	
TOT PCP	29.4	52.3	24.1	2.1	.1	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	6.7	5.2	.7	.0	.0	14.1	6.4	7.5	14.3	14.3	15.0	
NE	1.0	10.0	2.2	.2	.0	19.3	9.8	16.4	16.0	21.4	22.4	
E	7.1	13.3	4.1	.7	.0	24.6	10.4	27.5	14.0	21.3	31.1	
SE	3.4	3.2	.3	.0	.0	6.4	7.6	12.2	7.9	3.7	4.2	
S	1.4	.8	.0	.0	.0	2.4	5.7	4.2	2.1	1.8	1.4	
SW	1.2	1.0	.0	.0	.0	2.7	6.0	4.0	2.4	1.4	2.4	
W	3.7	2.4	.1	.0	.0	6.4	6.5	6.2	7.0	5.1	4.4	
NW	4.4	4.7	.1	.0	.0	11.2	6.7	4.2	12.4	12.7	10.4	
WIND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.1					12.1	.0	4.3	14.4	12.4	4.1	
TOT OBS	4416	3469	611	36	0	8532		7.5	2047	2041	2054	231
TOT PCP	51.4	40.7	7.2	.4	.0	100.0			100.0	100.0	100.0	100.0

2009 GUATEMALA S. COAST
12.24 91.04

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CMH)

HOUR	CALF	1	3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT	TOTAL
					11-21	22-33	34-47					FREQ	PER
0000Z	9.3	12.4	56.2	71.4	.7	0	.0	2.6	100.0	2059	
0600Z	10.9	14.3	56.1	111.6	1.0	0	.0	8.4	100.0	2069	
1215Z	12.3	14.8	55.1	16.5	2.0	1	.1	7.2	100.0	2069	
1812Z	14.1	11.7	59.5	29.5	4.0	1	.1	8.1	100.0	2069	
TOT	10.3	11.0	54.6	173.6	1.3	0	.0	7.5		4532	
MEAN	12.3	13.2	52.5	209.1	2.2	.1	.0	100.0			

TABLE 6

PERCENTAGE FREQUENCY OF CEILING
AND OCCURRENCE OF W/CS/P

15 (F.M. 24/P)
AT DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCT	TOTAL OBS	MEAN C/F	CLU 1-9	15C 2-9	30C 5-9	60C 9-9	100C 10-9	200C 14-9	350C 44-9	50C 64-9	65C 79-9	80C 94-9	95C 109-9	110C 124-9	125C 139-9	150C 164-9	175C 189-9	200C 204-9	225C 219-9	250C 234-9	275C 249-9	300C 264-9	325C 279-9	350C 294-9	375C 309-9	400C 324-9	425C 339-9	450C 354-9	475C 369-9	500C 384-9	525C 399-9	550C 414-9	575C 429-9	600C 444-9	625C 459-9	650C 474-9	675C 489-9	700C 504-9	725C 519-9	750C 534-9	775C 549-9	800C 564-9	825C 579-9	850C 594-9	875C 609-9	900C 624-9	925C 639-9	950C 654-9	975C 669-9	1000C 684-9	1025C 699-9	1050C 714-9	1075C 729-9	1100C 744-9	1125C 759-9	1150C 774-9	1175C 789-9	1200C 804-9	1225C 819-9	1250C 834-9	1275C 849-9	1300C 864-9	1325C 879-9	1350C 894-9	1375C 909-9	1400C 924-9	1425C 939-9	1450C 954-9	1475C 969-9	1500C 984-9	1525C 999-9	1550C 1014-9	1575C 1029-9	1600C 1044-9	1625C 1059-9	1650C 1074-9	1675C 1089-9	1700C 1104-9	1725C 1119-9	1750C 1134-9	1775C 1149-9	1800C 1164-9	1825C 1179-9	1850C 1194-9	1875C 1209-9	1900C 1224-9	1925C 1239-9	1950C 1254-9	1975C 1269-9	2000C 1284-9	2025C 1299-9	2050C 1314-9	2075C 1329-9	2100C 1344-9	2125C 1359-9	2150C 1374-9	2175C 1389-9	2200C 1404-9	2225C 1419-9	2250C 1434-9	2275C 1449-9	2300C 1464-9	2325C 1479-9	2350C 1494-9	2375C 1509-9	2400C 1524-9	2425C 1539-9	2450C 1554-9	2475C 1569-9	2500C 1584-9	2525C 1599-9	2550C 1614-9	2575C 1629-9	2600C 1644-9	2625C 1659-9	2650C 1674-9	2675C 1689-9	2700C 1704-9	2725C 1719-9	2750C 1734-9	2775C 1749-9	2800C 1764-9	2825C 1779-9	2850C 1794-9	2875C 1809-9	2900C 1824-9	2925C 1839-9	2950C 1854-9	2975C 1869-9	3000C 1884-9	3025C 1899-9	3050C 1914-9	3075C 1929-9	3100C 1944-9	3125C 1959-9	3150C 1974-9	3175C 1989-9	3200C 2004-9	3225C 2019-9	3250C 2034-9	3275C 2049-9	3300C 2064-9	3325C 2079-9	3350C 2094-9	3375C 2109-9	3400C 2124-9	3425C 2139-9	3450C 2154-9	3475C 2169-9	3500C 2184-9	3525C 2199-9	3550C 2214-9	3575C 2229-9	3600C 2244-9	3625C 2259-9	3650C 2274-9	3675C 2289-9	3700C 2304-9	3725C 2319-9	3750C 2334-9	3775C 2349-9	3800C 2364-9	3825C 2379-9	3850C 2394-9	3875C 2409-9	3900C 2424-9	3925C 2439-9	3950C 2454-9	3975C 2469-9	4000C 2484-9	4025C 2499-9	4050C 2514-9	4075C 2529-9	4100C 2544-9	4125C 2559-9	4150C 2574-9	4175C 2589-9	4200C 2604-9	4225C 2619-9	4250C 2634-9	4275C 2649-9	4300C 2664-9	4325C 2679-9	4350C 2694-9	4375C 2709-9	4400C 2724-9	4425C 2739-9	4450C 2754-9	4475C 2769-9	4500C 2784-9	4525C 2799-9	4550C 2814-9	4575C 2829-9	4600C 2844-9	4625C 2859-9	4650C 2874-9	4675C 2889-9	4700C 2904-9	4725C 2919-9	4750C 2934-9	4775C 2949-9	4800C 2964-9	4825C 2979-9	4850C 2994-9	4875C 3009-9	4900C 3024-9	4925C 3039-9	4950C 3054-9	4975C 3069-9	5000C 3084-9	5025C 3099-9	5050C 3114-9	5075C 3129-9	5100C 3144-9	5125C 3159-9	5150C 3174-9	5175C 3189-9	5200C 3204-9	5225C 3219-9	5250C 3234-9	5275C
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CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (4M 24/8) AND VSB* (4M)

	CEILING (FFCT)	VSPY (NP)							
		= CH 210	= NP 35	= OR 72	= OR 31	= OR 21/2	= OR 21/4	= OR 25/20	= OR 70
= OR 76500	.5	.5	.5	.5	.5	.5	.5	.5	
= OR 35000	.5	.5	.5	.5	.5	.5	.5	.5	
= OR 33500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
= OR 32000	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.1	
= OR 21000	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
= OR 7600	6.0	6.6	6.7	6.7	6.7	6.7	6.7	6.7	
= OR 3300	6.1	6.7	6.8	6.8	6.9	6.9	6.9	6.9	
= OR 310	6.1	6.7	6.8	6.9	6.9	6.9	6.9	6.9	
= OR 30	6.1	6.7	6.8	7.0	7.0	7.0	7.0	7.0	
TOTAL	502	473	452	463	454	454	450	444	

PCT FDEC NH CS/R: 93.0

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	ORSCD	TOTAL OPS
43.8	20.5	15.7	8.7	4.5	2.4	2.1	1.6	.9	*	6982

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1870-1979

MARCH

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSEY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7680
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSPY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													4301
TOT PCT													

MARCH

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1870-1979AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM $\geq 1/8$) AND
OCCURRENCE OF NM $< 5/8$ BY HOUR

HOUR (GMT)	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	TOTAL OBS
0000	.1	.1	.0	.7	1.8	1.1	.7	.3	.1	.3	5.3	94.7	1805												
0600	.1	.0	.1	.7	1.2	.9	.1	.2	.4	.3	3.9	96.1	1659												
1200	.3	.0	.2	1.9	4.3	2.3	1.0	.5	.1	.4	11.0	89.0	1724												
1800	.0	.0	.2	1.3	2.0	1.4	.9	.3	.2	.3	6.6	93.4	1764												
TOT	6	2	9	80	162	99	48	22	12	24	466	6486	6952												
PCT	.1	.0	.1	1.2	2.3	1.4	.7	.3	.2	.3	6.7	93.3	100.0												

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	$< 1/2$	1/2	1/2	2/5	5/10	10+	TOTAL OBS
0000	.0	.1	.1	.6	3.8	95.4	2102
0600	.1	.1	.0	.5	5.3	93.9	2075
1200	.0	.0	.1	1.0	6.5	92.3	2079
1800	.1	.0	.1	.4	4.8	94.6	2264
TOT	6	6	7	53	435	6013	6620
PCT	.1	.1	.1	.6	5.1	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM $\geq 1/8$) BY HOUR

HOUR (GMT)	< 150	< 500	< 1000	1000+	NM $< 5/8$	TOTAL OBS
0000	.7	.3	1.3	4.4	94.3	1724
0600	.1	.3	1.5	3.2	95.3	1577
1200	.3	.5	3.1	8.8	88.1	1654
1800	.1	.3	2.0	5.4	92.6	1667
TOT	10	22	132	362	6129	6623
PCT	.2	.3	2.0	5.5	92.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.7	.6	.1	.0	.0	64	1.0
85/89	.0	.0	.1	.6	4.5	6.3	1.3	.4	852	13.2
80/84	.0	.0	.0	.7	10.5	34.5	19.2	3.2	4384	68.0
75/79	.0	.0	.0	.0	.3	5.0	6.1	3.5	1094	17.0
70/74	.0	.0	.0	.0	.0	.0	.3	.4	52	.8
TOTAL	0	0	6	97	1024	2957	1871	491	6446	100.0
PCT	.0	.0	.1	1.5	15.9	45.9	29.0	7.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.2	.1	.2	.1	.0	.0	.1	.2	.0	.2
85/89	2.1	1.8	3.5	1.2	.4	.3	1.1	1.5	.0	1.3
80/84	9.4	12.4	17.4	4.6	1.6	1.6	4.4	8.1	.0	8.5
75/79	2.7	4.7	4.3	.7	.2	.2	.6	1.4	.0	2.2
70/74	.1	.3	.2	.0	.0	.0	.0	.0	.0	.2
TOTAL	14.6	19.2	25.5	6.6	2.3	2.1	6.2	11.2	.0	12.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	96	89	87	82	78	75	68	82.4	2121
0600	89	86	84	81	77	74	68	80.6	2127
1200	88	85	84	81	76	74	70	80.3	2103
1800	94	91	89	84	79	77	68	83.6	2331
TOT	96	90	87	82	77	74	68	81.8	8682

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.4	22.0	51.5	20.4	4.6	75	1683		
0600	.0	.4	8.7	43.7	36.4	10.8	80	1623		
1200	.0	.6	6.2	41.3	40.1	11.7	80	1649		
1800	.0	3.8	25.6	46.8	20.5	3.6	74	1677		
TOT	0	103	1043	3041	1939	506	77	6632		

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1870-1979

MARCH

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	68	69	72	73	76	77	80	81	85	89	92	TOT	N FOG	NO FOG
14/16	+0	+0	+0	+0	+0	+1	+1	+1	+1	+1	+1	13	.0	.2
11/13	+0	+0	+0	+0	+0	+1	+1	+1	+1	+1	+1	28	.0	.4
9/10	+0	+0	+0	+0	+0	+1	+2	+2	+2	+2	+2	62	.0	.8
7/8	+0	+0	+0	+0	+0	+2	+5	+5	+5	+5	+5	127	.0	1.7
5	+0	+0	+0	+0	+0	+3	+4	+4	+4	+4	+4	121	.0	1.6
4	+0	+0	+0	+0	+0	+4	+9	+9	+9	+9	+9	200	.0	2.7
3	+0	+0	+0	+0	+0	+5	+7	+7	+7	+7	+7	308	.0	4.1
2	+0	+0	+0	+0	+0	+8	+7	+7	+7	+7	+7	310	.0	4.2
1	+0	+0	+0	+0	+0	+1	+3	+3	+3	+3	+3	643	.0	8.6
0	+0	+0	+0	+0	+0	+1	+6	+6	+6	+6	+6	636	.0	8.5
-1	+0	+0	+0	+0	+0	+3	+6	+6	+6	+6	+6	1254	.0	16.8
-2	+0	+0	+0	+0	+0	+3	+6	+6	+6	+6	+6	992	.0	13.2
-3	+0	+0	+0	+0	+0	+2	+7	+7	+7	+7	+7	1013	.0	13.5
-4	+0	+0	+0	+0	+0	+2	+5	+5	+5	+5	+5	610	.0	8.1
-5	+0	+0	+0	+0	+0	+1	+5	+5	+5	+5	+5	520	.0	7.0
-6	+0	+0	+0	+0	+0	+2	+3	+3	+3	+3	+3	314	.0	4.2
-7/-8	+0	+0	+0	+0	+0	+3	+6	+6	+6	+6	+6	159	.0	2.1
-9/-10	+0	+0	+0	+0	+0	+2	+3	+3	+3	+3	+3	114	.0	1.5
-11/-13	+0	+0	+0	+0	+0	+1	+3	+3	+3	+3	+3	9	.0	.4
-14/-16	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	1	.0	.0
TOTAL	1	16	222	2133	4050	923	131	9	7465	14	7451			
PCT	.2	3.0	28.3	54.3	12.4	1.8	.1	.0	100.0	.2	99.8			

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.5	2.1	.0	.0	.0	.0	2.6	1.0	1.8	.0	.0	.0	.0	2.9
1-2	.6	5.9	.7	.0	.0	.0	7.2	.6	4.4	2.0	.0	.0	.0	7.0
3-4	.2	1.4	.7	.1	.0	.0	2.4	.1	2.5	3.2	.2	.0	.0	6.1
5-6	.0	.2	.2	.0	.0	.0	.3	.1	.6	2.7	.2	.0	.0	3.5
7	.0	.0	.2	.0	.0	.0	.3	.0	.1	.6	.6	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.0	.0	.7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.6	1.6	.1	.0	.0	13.0	1.6	9.4	5.9	1.8	.0	.0	22.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.5	1	.0	.0	.0	.0	2.0	.3	.4	.1	.0	.0	.0	.8
1-2	.5	6.1	2.3	.0	.0	.0	8.9	.2	2.1	.3	.0	.0	.0	2.6
3-4	.0	1.2	3.3	.4	.0	.0	10.3	.0	1.2	.8	.0	.0	.0	2.0
5-6	.0	.3	2.1	.6	.0	.0	3.0	.0	.1	.2	.0	.0	.0	.7
7	.0	.0	.3	.4	.0	.0	.8	.0	.0	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	12.7	14.2	2.3	.1	.0	30.5	.4	4.0	2.0	.0	.0	.0	6.4

PERIOD: (OVER-ALL) 1963-1979

MARCH

*ARL 18 (CONT)

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.0	.0	.0	.0	.7	.4	.4	.1	.0	.0	.0	.9
1-2	.1	.9	.2	.0	.0	.0	1.2	.1	.6	.1	.0	.0	.0	.8
3-4	.0	.3	.0	.0	.0	.0	.3	.1	.3	.1	.0	.0	.0	.5
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.7	.2	.0	.0	.0	2.3	.6	1.4	.4	.0	.0	.0	2.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	.4	.0	.0	.0	.0	1.0	.4	1.2	.1	.0	.0	.0	1.6	
1-2	.1	2.0	.3	.0	.0	.0	2.7	.1	5.0	.1	.0	.0	.0	6.3	
3-4	.0	.1	.2	.0	.0	.0	.3	.0	1.2	.1	.0	.0	.0	1.4	
5-6	.0	.0	.1	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.5	
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	2.9	.6	.0	.0	.0	4.2	1.1	7.7	1.0	.1	.0	.0	10.0	90.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT CTS
<1	13.3	4.6	.2	.0	.0	.0	22.2	
1-2	3.6	26.6	6.2	.0	.0	.0	36.3	
3-4	.9	10.6	11.4	.8	.0	.0	23.7	
5-6	.1	2.4	6.8	.6	.0	.0	10.0	
7	.0	.4	3.2	1.1	.1	.0	4.4	
8-9	.0	.1	.7	.9	.0	.0	1.7	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.2	.1	.0	.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	18.1	44.8	28.7	4.3	.1	.0	100.0	1626

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-7	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.8	20.4	15.9	5.7	1.0	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3021	3
6-7	.2	2.7	6.1	5.2	2.6	.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1092	5
8-9	.1	1.0	2.3	2.2	1.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	437	5
10-11	.0	.8	1.2	.6	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	228	5
12-13	.0	.0	.9	.4	.2	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	5
>13	.0	.0	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	6
INDCT	10.1	1.7	1.9	1.7	.5	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	899	1
TOTAL	996	1554	1652	927	412	155	67	20	24	6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5829	3
PCT	17.1	26.7	28.3	15.9	7.1	2.7	1.2	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PCPI30: (PP1-MAP) 1957-1979
(COVER-ALL) 1862-1979

APRIL

AREA 0009 GUATEMALA SW COAST
11.9N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
N	.5	.3	.0	.0	.0	.0	.0	.9	1.3	.3	.4	.0	9.2	.0		87.6
NE	.1	.4	.1	.0	.0	.0	.0	.7	.3	1.5	.5	.0	5.3	.0		91.8
E	.6	.3	.2	.0	.0	.0	.0	1.0	.8	.5	.4	.0	6.1	.0		91.2
SE	.4	.3	.1	.0	.0	.0	.0	.9	1.4	2.5	.6	.0	7.7	.0		87.2
S	.0	.0	.2	.0	.0	.0	.0	.2	1.1	2.2	.6	.0	10.1	.0		85.8
SW	.1	.1	.4	.0	.0	.0	.0	.6	1.7	3.5	.0	.0	9.3	.0		85.9
W	.3	.3	.0	.0	.0	.0	.0	.5	.7	2.5	.2	.0	12.3	.0		84.0
NW	.2	.1	.1	.0	.0	.0	.0	.4	.5	2.5	.5	.0	7.1	.0		88.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.3	.0	.0	.0	.0	.0	.3	.7	1.5	1.0	.0	16.0	.1		80.5
TOT PCT	.3	.3	.1	.0	.0	.0	.0	.7	.8	1.5	.5	.0	8.6	.		87.9
TOT OBS:	7816															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN SHW	RAIN SHW	DRZL PCPN	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	MAIL PCPN	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
0000	.1	.1	.1	.0	.0	.0	.0	.3	.6	.2	.6	.0	8.7	.0	.0	89.6
0600	.1	.2	.0	.0	.0	.0	.0	.3	.3	4.1	.6	.0	7.3	.0	.0	87.6
1200	.6	.5	.2	.0	.0	.0	.0	1.4	1.6	2.0	.7	.0	9.2	.1	.0	80.2
1800	.3	.4	.1	.0	.0	.0	.0	.8	.9	.3	.3	.0	8.9	.0	.0	88.7
TOT PCT	.3	.3	.1	.0	.0	.0	.0	.7	.9	1.6	.5	.0	8.5	.0	.0	87.8
TOT OBS:	8073															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-7	8-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	2.5	6.6	.9	.0	.0	.0	10.0	6.2	5.0	4.8	8.7	7.6	15.7	13.6	11.7	9.4		
NE	2.1	8.3	3.5	.3	.1	.0	14.2	8.8	11.2	7.6	10.2	14.1	16.4	20.4	17.2	15.3		
E	2.5	12.6	9.2	1.0	.0	.0	25.4	10.5	27.7	16.6	18.0	18.6	23.4	22.4	33.0	23.3		
SE	1.6	6.5	2.2	.1	.0	.0	10.3	8.0	17.6	15.5	11.7	9.1	4.6	6.7	7.3	10.6		
S	1.1	2.4	.3	.0	.0	.0	4.2	5.8	6.8	5.9	4.8	4.9	2.3	3.9	2.4	4.7		
SW	1.7	2.6	.2	.0	.0	.0	3.8	5.9	5.8	7.4	4.5	4.0	2.2	3.1	2.5	5.4		
W	1.6	5.5	.6	.0	.0	.0	7.8	6.1	8.6	15.5	11.6	7.9	6.6	3.6	4.8	8.5		
NW	2.3	7.3	.9	.0	.0	.0	10.4	6.3	6.9	9.0	10.7	14.1	12.5	15.0	10.8	12.7		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.8						13.8	.0	10.5	17.6	20.4	20.7	15.9	9.3	9.3	9.8		
TOT OBS	2421	4410	1502	122	7	0	8462	7.0	1914	119	1887	184	1791	176	2138	193		
TOT PCT	24.5	52.1	17.7	1.4	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 4

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-6	7-15	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD			00	03	06	09	12	15	18	21
N	6.4	3.5	.2	.0	.0	10.0	6.2	5.0	4.8	8.7	7.6	15.7	13.6	11.7	9.4			
NE	6.0	6.6	1.3	.1	.0	14.2	8.8	11.2	7.6	10.2	14.1	16.4	20.4	17.2	15.3			
E	2.5	13.5	3.9	.2	.0	25.4	10.5	27.7	16.6	18.0	18.6	23.4	22.4	33.0	23.3			
SE	4.7	5.2	.5	.0	.0	10.3	8.0	17.6	15.5	11.7	9.1	4.6	6.7	7.3	10.6			
S	2.9	1.3	.0	.0	.0	4.2	5.8	6.8	5.9	4.8	4.9	2.3	3.9	2.4	4.7			
SW	2.5	1.3	.0	.0	.0	3.8	5.9	5.8	7.4	4.5	4.0	2.2	3.1	2.5	5.4			
W	5.1	2.7	.0	.0	.0	7.8	6.1	8.6	15.5	11.6	7.9	6.6	3.6	4.8	8.5			
NW	6.5	3.9	.1	.0	.0	10.4	6.3	6.9	9.0	10.7	14.1	12.5	15.0	10.8	12.7			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.8					13.8	.0	10.5	17.6	20.4	20.7	15.9	9.3	9.3	9.8			
TOT OBS	4715	1226	456	24	1	8462	7.0	1914	119	1887	184	1791	176	2138	193			
TOT PCT	55.7	18.1	5.4	.3	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

PERIOD: (PRIMARY) 1553-1774
(OVER-ALL) 1502- 979

APRIL

AREA 0009 GUATEMALA SW COAST
11.4N 91.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4-6	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-34	35-47				
0000	10.4	12.5	57.1	18.4	.4	.0	.0	7.2	100.0	2033
0100	20.4	15.8	53.6	9.6	.3	.0	.0	5.5	100.0	2071
1200	15.1	16.6	46.6	15.9	2.7	.1	.0	6.7	100.0	2027
1400	4.3	14.2	44.2	25.6	2.5	.1	.0	6.3	100.0	2331
1600	11.6	12.5	44.0	15.0	1.2	.0	.0	7.0		6402
1800	13.8	14.6	52.1	17.7	1.4	.1	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	4.2	1.4	2.4	1.7		3.4
NE	7.0	3.2	3.2	1.3		3.1
E	12.6	5.6	6.1	2.3		3.1
SE	6.5	2.5	2.3	.9		3.2
S	1.6	.0	1.0	.4		3.6
SW	3.0	.6	1.0	.6		4.3
W	2.9	1.5	1.9	1.2		3.8
NW	4.2	2.2	2.1	1.1		3.4
VAR	.0	.0	.0	.4		.0
CALM	7.7	2.4	2.6	1.1	5336	2.8
TOT OBS	2898	1235	1433	670		3.3
TOT PCT	45.7	21.1	22.6	10.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/A)
AND OCCURRENCE OF NM 34/A BY WIND DIRECTION

200	250	300	600	1000	2000	2500	3000	6000	8000+	NM 34/A	TOTAL
149	190	596	999	1000	1499	1999	2499	2999	3499	ANY HGT	OBS
0	.0	.1	.2	.5	.2	.2	.1	0	.1	9.5	
0	0	0	.3	.6	.4	.1	.1	0	.1	17.6	
.2	.1	.1	.7	1.1	.6	.4	.1	.1	.1	23.2	
0	0	0	.4	.4	.3	.1	.1	.1	0	9.6	
0	.0	.0	.2	.2	.1	0	0	0	0	1.4	
0	.0	0	.1	.3	.1	.1	0	0	0	2.4	
.1	.0	.1	.1	.5	.3	.1	.1	0	.1	6.2	
0	0	.1	.2	.5	.2	.1	.1	.1	.1	8.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	0	0	.5	.5	.2	.1	0	.1	0	12.4	
2.8	.4	3.2	16.4	29.4	16.4	7.4	.5	3.0	2.3	54.4	6336
.4	.1	.5	2.6	4.6	2.6	1.2	.7	.5	.5	86.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/A) AND VISIB (NM)

CEILING (FEET)	VISIB (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>5000	>0
> OR >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
> OR >5000	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
> OR >3500	2.5	2.9	3.0	3.0	3.0	3.0	3.0	3.0
> OR >2000	4.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5
> OR >1000	8.1	10.0	10.2	10.2	10.2	10.2	10.2	10.2
> OR >400	10.1	12.4	12.7	12.8	12.8	12.8	12.8	12.8
> OR >100	10.3	13.0	13.2	13.3	13.3	13.3	13.3	13.3
> OR >150	10.4	13.1	13.3	13.4	13.4	13.4	13.4	13.4
> OR >0	10.6	13.4	13.7	13.7	13.8	13.8	13.8	13.8
TOTAL	693	877	894	899	901	902	902	902

TOTAL NUMBER OF OBS: 6141

PCT FREQ NM 34/A: 86.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
34.2	17.6	15.8	10.9	7.3	3.9	4.1	2.6	3.2	.3	6887

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1962-1979

APRIL

AREA 0009 GUATEMALA SW COAST
11.0N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSAT (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCI	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS												7810
TOT PCI	10.1	14.4	26.0	10.4	4.2	3.7	7.6	10.1	.0	13.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSAT (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCI	TOTAL OBS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													8153
TOT PCI	10.1	14.4	25.7	10.3	4.2	3.8	7.7	10.3	.0	13.6	100.0		

APRIL

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1962-1974AREA 0009 GUATEMALA SW COAST
11.9N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/2) AND
OCCURRENCE OF AM 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1500 1999	2000 3499	3500 4999	5000 6499	6500 7999	#000*	TOTAL	AM 5/8 ANY HGT	TOTAL OBS
0000Z	.2	.1	.4	1.4	3.5	2.2	1.1	.3	.2	.6	10.0	90.0	1793
0600Z	.4	.6	.2	1.2	2.7	1.1	.8	.6	.6	.3	7.7	92.3	1615
12015	.7	.2	.6	4.1	6.3	3.1	1.4	.6	.7	.4	18.9	81.1	1657
18021	.4	.2	.7	3.3	5.2	3.3	1.1	1.1	.4	.6	16.2	83.8	1797
TOT	26	9	33	170	305	167	75	45	31	40	976	1915	6822
PCT	.4	.1	.5	2.5	4.5	2.4	1.1	.7	.5	.6	13.3	86.7	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.0	.0	1.0	10.5	88.4	2047
0600Z	.1	.1	.2	1.2	12.6	85.7	2053
12015	.1	.4	.4	1.7	17.3	80.4	2041
18021	.1	.0	.2	1.3	11.9	86.6	2276
TOT	9	4	17	110	1098	7175	8413
PCT	.1	.0	.2	1.3	13.1	85.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, AM 24/2) BY HOUR

HOUR (GMT)	<150 <500	<500 <1	<1000 <1	1000+ 2475+	AM 5/8 AND 5+	TOTAL OBS
0000Z	.2	.6	2.7	9.1	89.2	1699
0600Z	.4	.7	2.9	6.1	91.1	1547
12015	.7	1.5	6.9	13.7	79.3	1571
18021	.4	1.3	5.4	11.9	82.7	1724
TOT	27	70	291	654	5598	6541
PCT	.4	1.1	4.4	10.0	85.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
90/94	.0	.0	.3	1.3	.7	.1	.0	.0	161	2.5
85/89	.0	.0	.0	.5	5.9	17.1	3.4	.7	1530	23.0
80/84	.0	.0	.0	.4	6.7	30.1	25.0	4.1	4299	66.3
75/79	.0	.0	.0	.0	.1	1.6	3.7	2.1	485	7.5
70/74	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
TOTAL	0	1	3	74	510	2946	2063	450	6482	100.0
PCT	.0	.0	.0	1.2	14.0	45.4	32.3	6.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.3	.2	.7	.2	.1	.0	.1	.3	.0	.4
2.6	3.0	5.6	2.9	1.2	1.1	1.6	2.7	.0	3.1
6.3	9.6	17.9	6.9	2.4	2.3	5.3	6.2	.0	9.4
.6	1.7	2.2	.5	.2	.2	.3	.5	.0	1.1
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.0	14.5	76.4	10.0	3.9	3.5	7.6	9.7	.0	14.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	94	90	84	84	79	77	70	83.5	2078
0600Z	92	86	85	82	78	76	72	82.0	7150
12015	91	86	85	82	78	76	73	81.7	2078
18021	96	92	90	85	80	77	69	85.0	7353
TOT	96	91	88	83	79	76	69	83.1	9650

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-25	25-50	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.3	17.5	50.9	25.1	5.2	76	1676
0600Z	.0	.2	6.9	41.2	42.4	9.3	80	1659
12015	.0	.8	1.1	39.6	42.9	10.6	80	1648
18021	.0	2.6	24.7	49.8	20.1	2.8	74	1718
TOT	0	94	932	3646	2176	463	77	6701

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1867-1979

TABLE 17

AREA 0009 GUATEMALA SW COAST
11.4N 91.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	86 92	>92	TOT	% FOG	% FOG
14/14	.0	.0	.0	.0	.	.	.0	5	.0	.1
11/13	.0	.0	.0	.1	.1	.1	.	19	.0	.3
9/10	.0	.0	.0	.2	.2	.2	.1	45	.0	.7
7/8	.0	.0	.	.4	.5	.6	.1	118	.	1.6
6	.0	.0	.	.2	.4	.4	.	75	.0	1.0
5	.0	.0	.1	.7	.9	.6	.1	172	.	2.3
4	.0	.0	.2	.4	1.6	.7	.0	250	.0	3.4
3	.0	.	.5	1.4	1.6	.4	.0	282	.0	3.8
2	.0	.	.7	3.3	3.5	.3	.0	572	.1	7.7
1	.0	.1	.8	3.8	3.2	.2	.0	597	.	8.1
0	.0	.1	1.5	4.2	4.1	.	.0	1097	.1	14.9
-1	.0	.	1.6	8.7	2.9	.1	.0	970	.1	13.1
-2	.0	.1	1.9	11.8	1.3	.0	.0	1117	.1	15.1
-3	.0	.	1.5	7.0	.4	.0	.0	692	.	9.4
-4	.0	.1	2.0	5.7	.	.0	.0	595	.	8.1
-5	.0	.1	1.4	3.1	.2	.0	.0	347	.	4.7
-6	.0	.	1.4	1.4	.	.0	.0	146	.0	2.5
-7/-8	.0	.1	1.0	.4	.	.0	.0	149	.	2.0
-9/-10	.	.1	.1	.2	.0	.0	.0	41	.0	.6
-11/-13	.	.0	.	.	.0	.0	.0	5	.0	.1
-14/-16	.0	.0	.	.0	.0	.0	.0	2	.0	.
TOTAL	2	65	1054	4327	1611	262	19	7340	35	7305
PCT	.	.6	14.4	58.0	21.9	3.6	.3	100.0	.5	99.5

PERIOD: (OVER-ALL) 1863-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	1.2	2.2	.0	.0	.0	.0	3.5	41	1.1	2.4	.0	.0	.0	.0	3.7
1-2	.7	3.7	.5	.0	.0	.0	4.9	1-2	.6	5.0	1.3	.0	.0	.0	6.9
3-4	.1	1.2	.2	.0	.0	.0	1.5	3-4	.1	1.2	1.7	.	.0	.0	3.1
5-6	.0	.0	.1	.0	.0	.0	.1	5-6	.0	.4	.7	.1	.0	.0	1.3
7	.0	.0	.4	.0	.4	.0	.	7	.0	.1	.4	.	.0	.0	.5
8-9	.0	.0	.1	.0	.0	.0	.1	8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.	.0	.0	.0	.	10-11	.0	.0	.	.	.	.	.
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	7.1	1.0	.0	.0	.0	10.2	TOT PCT	1.9	6.2	4.7	.3	.1	.0	13.8

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.9	2.4	.1	.0	.0	.0	3.4	41	.6	1.5	.1	.0	.0	.0	2.2
1-2	.7	7.2	2.1	.0	.0	.0	10.0	1-2	.7	2.9	.7	.0	.0	.0	4.3
3-4	.2	3.1	4.0	.2	.0	.0	7.5	3-4	.	1.1	1.0	.0	.0	.0	2.1
5-6	.0	1.0	2.3	.1	.1	.0	3.4	5-6	.0	.4	.7	.1	.0	.0	1.2
7	.1	.0	1.1	.5	.0	.0	1.7	7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.5	.2	.0	.0	.7	8-9	.0	.1	.1	.0	.0	.0	.2
10-11	.0	.0	.1	.	.	.0	.2	10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	13.6	10.2	1.0	.1	.0	26.9	TOT PCT	1.4	6.0	2.8	.1	.0	.0	10.2

PERIOD: (OVER-ALL) 1963-1974

APRIL

AREA 0009 GUATEMALA SW COAST
11-4N 91-0W

TABLE 12 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.5	.8	.0	.0	.0	.0	1.0	.2	.7	.0	.0	.0	.0	.0	1.0
1-2	.2	1.2	.1	.0	.0	.0	1.4	.5	.9	.2	.0	.0	.0	.0	1.4
3-4	.1	.5	.0	.0	.0	.0	.4	.0	.6	.0	.0	.0	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.2	.7	.0	.0	.0	3.4	.5	2.3	.2	.0	.0	.0	.0	7.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.7	1.9	.2	.0	.0	.0	2.6	1.4	2.5	.0	.0	.0	.0	.0	3.9
1-2	.4	2.0	.2	.0	.0	.0	2.6	.5	2.7	.1	.0	.0	.0	.0	4.3
3-4	.0	.7	.2	.0	.0	.0	.4	.1	.7	.2	.1	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.6	.4	.0	.0	.0	6.1	2.1	6.4	.4	.1	.0	.0	.0	9.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
C1	22.4	13.9	.1	.0	.0	.0	36.5	36.5
1-2	5.0	24.4	5.1	.0	.0	.0	34.5	34.5
3-4	.8	4.8	6.9	.2	.0	.0	16.7	16.7
5-6	.1	1.9	4.2	.2	.1	.0	6.3	6.3
7	.0	.1	1.6	.5	.0	.0	2.4	2.4
8-9	.0	.1	.7	.3	.0	.0	1.2	1.2
10-11	.0	.0	.2	.1	.1	.0	.3	.3
12	.0	.0	.0	.0	.1	.0	.1	.1
13-16	.0	.0	.1	.0	.0	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	28.4	51.2	16.7	1.4	.2	.0	100.0	164.0

PERIOD: (OVER-ALL) 1969-1970

TABLE 14

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.9	20.5	14.9	5.4	1.6	.7	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2980	3
6-7	.2	2.8	6.8	5.0	1.4	1.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1065	4
8-9	.1	1.3	2.3	1.7	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	404	4
10-11	.0	.7	1.0	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	302	5
12-13	.0	.0	.8	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	5
13	.0	.0	.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	7
INDET	12.4	1.7	1.8	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	1
TOTAL	1199	1572	1605	847	324	174	50	18	13	5	4	0	0	0	0	0	0	0	0	5415	3
PCT	20.6	27.0	27.6	14.6	5.6	3.0	.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1961-1974

MAY

APER 0009 GUATEMALA SW COAST
21.84 91.06

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDP LTNG	FGG NO PCPN	FGG NO PAST HR	SMOKE HAZE	SPRAY BLNG DUST	NO SIG WFA		
N	2.2	.8	.4	.0	.0	.0	.0	3.4	1.7	1.7	.2	.0	5.8	.0	85.3		
NE	2.6	1.1	.4	.0	.0	.0	.0	3.7	2.8	2.7	.0	.0	1.7	.0	89.1		
E	1.3	1.1	.4	.0	.0	.0	.0	2.8	2.8	1.0	.3	.0	2.0	.0	89.1		
SE	2.5	.8	.2	.0	.0	.0	.0	3.5	2.0	5.2	.1	.0	7.2	.0	87.5		
S	2.7	2.6	1.2	.0	.0	.0	.0	5.8	3.8	8.5	.6	.0	1.7	.0	81.9		
SW	2.5	2.4	1.0	.0	.0	.0	.0	5.5	4.0	4.4	.2	.0	2.1	.2	83.6		
W	3.0	2.2	1.3	.0	.0	.0	.0	6.5	3.1	4.6	.0	.0	6.6	.0	80.3		
NW	1.3	1.5	.0	.0	.0	.0	.1	3.0	1.6	3.8	.2	.0	4.3	.1	87.1		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.3	.3	.2	.0	.0	.0	.0	.8	1.0	5.7	.1	.0	8.7	.2	83.6		
TOT PCT	1.8	1.2	.5	.0	.0	.0	.0	3.5	2.4	4.1	.2	.0	3.9	.0	85.9		
TOT OBS:	8760																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDP LTNG	FGG NO PCPN	FGG NO PAST HR	SMOKE HAZE	SPRAY BLNG DUST	NO SIG WFA		
0000	1.1	.7	.3	.0	.0	.0	.0	2.1	1.4	1.2	.2	.0	3.9	.0	91.4		
0600	1.4	.5	.4	.0	.0	.0	.0	2.2	1.4	12.2	.2	.0	4.3	.0	74.3		
1200	3.0	2.0	.8	.0	.0	.0	.0	5.8	3.8	3.9	.2	.0	4.1	.1	82.3		
1800	1.7	1.4	.6	.0	.0	.0	.0	3.7	2.6	.4	.2	.0	3.4	.0	89.7		
TOT PCT	1.6	1.2	.5	.0	.0	.0	.0	3.5	2.4	4.3	.2	.0	3.9	.0	85.8		
TOT OBS:	9060																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	2.1	5.4	.7	.0	.0	.0		8.5	5.8	4.5	5.1	5.3	7.4	14.0	8.9	10.7	5.4	
NE	1.7	7.4	2.3	.2	.0	.0		11.7	8.0	8.0	5.2	7.9	4.8	14.6	15.3	18.3	12.1	
E	2.6	12.4	5.6	.4	.0	.0		21.2	9.0	22.4	14.3	17.4	16.9	18.2	17.7	26.5	26.0	
SE	2.1	4.2	7.5	.1	.0	.0		12.6	7.8	18.4	18.1	15.6	19.0	7.3	11.0	9.6	13.9	
S	1.5	4.1	1.1	.0	.0	.0		7.2	7.0	4.7	11.6	8.0	8.4	5.4	9.2	5.1	8.9	
SW	1.3	4.3	1.2	.0	.0	.0		7.0	7.4	8.4	13.9	7.5	11.3	5.8	6.6	5.1	7.5	
W	1.9	4.6	1.3	.1	.0	.0		9.2	7.0	9.0	12.3	10.3	10.1	8.4	11.0	7.6	9.8	
NW	1.8	5.1	.7	.0	.0	.0		8.0	6.2	6.0	6.7	6.7	4.6	10.3	13.5	8.7	9.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	14.3							14.3	.0	12.3	7.8	21.2	12.2	16.0	6.8	10.5	6.4	
TOT OBS	2754	5052	1446	78	3	0	9337		6.5	2160	153	2058	188	2030	234	2312	202	
TOT PCT	24.9	54.1	15.5	.4	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	5.7	2.7	.1	.0	.0			8.1	5.8	4.5	5.5	13.4
NE	5.5	5.6	.9	.1	.0			11.7	8.0	7.8	6.0	14.7
E	6.7	11.2	1.8	.1	.0			21.2	9.0	22.4	17.3	18.1
SE	6.0	6.4	.5	.1	.0			12.9	7.8	18.4	15.9	7.7
S	4.0	3.0	.7	.0	.0			7.2	7.0	9.8	8.1	5.8
SW	3.7	3.0	.1	.0	.0			7.0	7.4	6.9	7.9	5.4
W	5.2	3.6	.4	.0	.0			6.2	7.0	10.1	10.3	8.7
NW	5.2	2.8	.1	.0	.0			8.0	6.2	6.1	6.6	10.6
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
CALM	14.3							14.3	.0	12.0	20.4	15.1
TOT OBS	4396	3568	354	19	0	9337		6.5		2313	2246	2264
TOT PCT	57.8	12.2	3.4	.2	.0	100.0				100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

MAY

AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH) AND/OR
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000	150	300	600	1000	2000	3000	5000	ASCO	POOD*	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	.4	.1	.6	4.2	6.4	3.2	1.7	.4	.5	1.0	18.6	81.4	2055
0600	.1	.2	.5	4.5	6.7	3.3	1.1	.5	.5	.5	16.6	81.4	1753
1200	.6	.5	1.7	6.6	11.2	4.0	1.9	.6	.1	.6	27.8	72.2	1865
1800	.5	.3	1.3	6.1	10.5	4.6	2.1	.8	.6	.8	27.5	72.4	1975
TOT	41	22	79	410	664	289	132	44	32	56	1769	5879	7648
PCT	.5	.3	1.0	5.4	8.7	3.8	1.7	.6	.4	.7	23.1	76.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	*	*	.3	.9	7.4	91.4	2339
0600	.1	.0	.3	.8	10.7	88.5	2281
1200	.2	.1	.5	7.1	14.1	83.1	2284
1800	.2	*	.4	1.3	9.7	88.3	2472
TOT	13	4	34	117	972	8240	9380
PCT	.1	*	.4	1.2	10.4	87.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH) AND/OR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
0000	.5	1.3	6.2	13.6	80.2	1960
0600	.4	1.5	6.9	17.8	80.3	1679
1200	.6	3.1	11.2	14.7	70.5	1784
1800	.5	2.2	9.0	19.4	71.5	1905
TOT	43	142	609	1179	5540	7328
PCT	.4	2.0	8.3	16.3	75.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	*	*	*	.0	.0	4	.1
90/94	.0	.0	*	.2	1.4	.7	.1	*	179	2.4
85/89	.0	.0	*	.2	5.7	17.5	4.6	.6	2096	28.6
80/84	.0	.0	.0	.1	2.4	25.1	30.7	4.9	4634	63.2
75/79	.0	.0	.0	.0	*	.4	2.6	2.7	415	5.7
70/74	.0	.0	.0	.0	.0	.0	*	.1	6	.1
TOTAL	0	0	3	34	705	3196	2748	604	7334	100.0
PCT	.0	.0	.4	.5	4.6	43.6	38.0	8.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	*	*	.0	*	.0	*	.0	.0	.0
90/94	.2	.3	.5	.2	.1	.1	.2	.5	.0	.4
85/89	2.8	3.1	6.4	3.3	1.6	1.3	2.6	2.6	.0	4.8
80/84	4.9	7.4	13.8	8.3	4.6	4.8	5.4	4.3	.0	9.6
75/79	.5	.8	1.1	.6	.5	.6	.7	.4	.0	.4
70/74	.0	*	*	*	.0	.0	.0	.0	.0	*
TOTAL	8.5	11.6	21.8	12.4	6.9	6.8	9.0	7.7	.0	15.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	90	88	84	80	79	74	84.0	2164
0600	92	87	86	82	79	77	73	82.5	2342
1200	90	88	85	82	78	75	73	82.1	2312
1800	91	82	80	85	80	77	71	85.1	2552
TOT	97	91	88	83	79	77	71	83.5	9570

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	.8	11.4	52.6	29.6	5.6	77	1942
0600	.0	.2	3.7	38.6	48.7	8.8	81	1845
1200	.0	.1	2.7	34.0	50.1	13.1	82	1853
1800	.0	1.2	19.9	48.5	24.6	5.9	76	1948
TOT	0	43	729	3309	2480	627	79	7588

PERIOD: (PRIMARILY) 1953-1979
(OVER-ALL) 1962-1979

MAY

AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DFG F) AND THE OCT
VS AIR-SEA TEMPERATURE F

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.1	.0	*	.0	2	.0	*
14/16	.0	.0	.0	.0	*	*	.0	6	.0	.1
13/15	.0	.0	.0	*	.1	.1	*	14	.0	.2
9/10	.0	.0	.0	.1	.1	.1	*	27	.0	.3
7/9	.0	.0	*	.1	.3	.5	.1	81	.0	1.0
6	.0	.0	.0	.1	.4	.3	*	74	.0	.9
5	.0	.0	.0	.3	.6	.7	*	147	.0	1.6
4	.0	.0	*	.8	1.2	.6	*	221	*	2.6
3	.0	.0	.1	.7	1.4	.6	*	226	*	2.7
2	.0	.0	.1	2.1	3.5	.5	.0	508	*	6.1
1	.0	.0	.1	2.9	3.5	.4	.0	573	*	6.9
0	.0	*	.5	8.5	5.2	.2	.0	1179	*	14.1
-1	.0	*	.7	8.0	4.7	*	.0	1116	.1	13.4
-2	.0	*	1.3	11.5	2.8	.1	.0	1396	*	15.7
-3	.0	*	1.3	8.1	1.5	*	.0	605	*	10.9
-4	.0	*	1.8	7.5	.4	.0	.0	808	*	9.7
-5	.0	*	1.6	4.0	.3	.0	.0	493	.0	5.9
-6	.0	.1	1.4	1.7	.1	.0	.0	274	.0	3.1
-7/-6	*	.1	1.3	1.2	.1	.0	.0	228	.0	2.7
-8/-7	.0	.2	.5	.3	*	.0	.0	77	.0	.9
-11/-13	*	.2	.2	*	.0	.0	.0	39	.0	.5
-14/-16	.0	.0	*	*	.0	.0	.0	4	.0	*
TOTAL	2		913	4781	2198	20		8314	18	8296
PCT	*	.7	60	57.5	26.4	4.1	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1962-1979

TABLE 18

PCT FREQ OF WIND (SPEED IN KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.7	.0	.0	.0	.0	2.8	.8	1.9	*	.0	.0	.0	2.8
1-2	.3	2.8	.1	.0	.0	.0	3.2	.4	4.3	1.4	.0	.0	.0	6.2
3-4	.1	.5	.1	.0	.0	.0	.8	.1	1.8	1.4	.1	.0	.0	3.3
5-6	.1	.2	.2	.0	.0	.0	.4	*	.4	.7	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	5.2	.5	.0	.0	.0	7.2	1.3	8.4	3.8	.2	.0	.0	13.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	2.6	.2	.0	.0	.0	3.7	.6	1.3	.2	.0	.0	.0	2.1
1-2	.4	6.2	1.6	.0	.0	.0	8.2	.6	4.3	1.1	.0	.0	.0	6.1
3-4	.4	3.5	2.9	.2	.0	.0	6.9	.1	1.7	1.3	.1	.0	.0	3.2
5-6	.1	.8	1.4	.2	.0	.0	2.5	.1	.4	.2	*	.0	.0	.7
7	.0	.2	.8	.2	.0	.0	1.2	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	13.2	7.1	.7	.0	.0	22.8	1.3	7.8	3.0	.1	.0	.0	12.2

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0009 GUATEMALA SW COAST
11.6N 91.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.2	.1	.0	.0	.0	1.9	.4	.7	.0	.0	.0	.0	1.2
1-2	.2	2.9	.6	.0	.0	.0	3.7	.4	2.8	.2	.0	.0	.0	3.5
3-4	.2	1.1	.3	.0	.0	.0	1.6	.1	1.1	.6	.0	.0	.0	1.8
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.1	.4	.0	.0	.0	.6
7	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.5	1.2	.0	.2	.0	7.8	1.0	4.8	1.3	.0	.0	.0	7.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	1.9	.0	.0	.0	.0	2.6	.6	1.1	.0	.0	.0	.0	.0	2.0
1-2	.5	3.1	.4	.0	.0	.0	.4	.4	2.4	.2	.0	.0	.0	.0	3.0
3-4	.0	1.2	.7	.0	.0	.0	.4	.1	1.0	.2	.0	.0	.0	.0	1.2
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.2	.1	.0	.0	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.3	1.3	.1	.0	.0	9.0	1.2	4.8	.5	.0	.0	.0	6.5	86.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	20.5	12.4	.4	.0	.0	.0	.0	33.3
1-2	4.4	24.1	5.5	.0	.0	.0	.0	34.1
3-4	1.1	11.5	7.3	.3	.0	.0	.0	20.1
5-6	.2	2.2	3.1	.3	.0	.0	.0	5.6
7	.0	.3	1.3	.3	.0	.0	.0	1.9
8-9	.0	.1	.3	.2	.0	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	26.3	54.6	18.6	1.1	.0	.0	100.0	140.4

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT (MGT)
<6	7.2	15.5	15.7	5.6	1.6	.5	.2	.0	.	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	3267	3
6-7	.2	2.6	7.2	5.5	2.1	.5	.3	.	.	.	.	.	.	.	.	.	.	.	.	1227	4
8-9	.	1.2	3.3	2.2	1.1	.6	.3	.1	.1	.0	.	.	.	.	.	.	.	.	.	592	5
10-11	.0	.1	1.3	1.2	.4	.1	.1	.0	.	.	.	.	.	.	.	.	.	.	.	286	5
12-13	.0	.0	1.0	.7	.3	.1	.	.0	.	.	.	.	.	.	.	.	.	.	.	134	5
>13	.0	.0	.0	.3	.3	.1	.1	.	.	.	.	.	.	.	.	.	.	.	.	51	7
INDET	10.3	1.7	2.6	1.0	.3	.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1070	1
TOTAL	1180	1666	2062	1069	405	132	59	9	18	2	5	0	0	0	0	0	0	0	0	6627	3
PCT	17.8	25.1	31.1	16.4	6.1	2.0	.9	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PPHMAPY) 1953-1979
(OVLPR-ALL) 1971-1979

JUNE

AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHAW	FRZL	FRZC PCPN	SNOW	OTHER FRZN PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
N	2.6	1.7	1.3	.0	.0	.0	.0	5.5	3.7	4.3	.2	.0	.3	.1 86.2
NE	3.1	2.4	.4	.0	.0	.0	.0	6.0	4.6	4.6	.1	.0	.2	.0 88.7
E	3.2	2.7	1.6	.0	.0	.0	.0	6.7	3.9	5.4	.0	.0	.4	.0 83.9
SE	2.7	3.7	1.3	.0	.0	.0	.0	7.3	4.8	6.7	.0	.0	.2	.0 81.4
S	6.1	4.7	1.2	.0	.0	.0	.0	12.0	5.4	5.5	.2	.0	.3	.2 76.8
SW	7.3	3.8	2.1	.0	.0	.0	.0	12.8	4.5	3.3	.1	.0	.0	.0 79.5
W	5.7	3.1	1.3	.0	.0	.0	.1	10.1	6.1	3.1	.2	.0	.3	.0 80.3
NW	3.9	2.6	1.1	.0	.0	.0	.0	7.3	5.0	4.5	.0	.0	.5	.2 82.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6	.4	.5	.0	.0	.0	.0	1.9	2.1	7.3	.2	.0	.6	.0 87.9
TOT PCT	3.9	2.9	1.1	.0	.0	.0	*	7.8	4.5	5.0	.1	.0	.3	* 82.6
TOT OBS:	8371													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHAW	FRZL	FRZC PCPN	SNOW	OTHER FRZN PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
0000	2.4	1.7	.6	.0	.0	.0	.0	4.9	3.3	.8	.1	.0	.1	* 90.7
0600	3.2	2.3	.7	.0	.0	.0	.0	6.1	2.8	15.9	*	.0	.5	.0 75.0
1200	5.7	3.6	1.6	.0	.0	.0	*	10.8	6.8	4.6	.2	.0	.3	* 77.9
1800	4.1	3.7	1.2	.0	.0	.0	*	8.9	4.9	.6	*	.0	.3	* 85.4
TOT PCT	3.9	2.9	1.1	.0	.0	.0	*	7.7	4.5	5.2	.1	.0	.3	* 82.4
TOT OBS:	8591													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	1.6	4.7	.9	*	.0	.0		7.3	6.7	5.3	5.4	5.9	4.1	10.1	6.3	8.1	9.6
NE	1.2	7.3	2.3	.1	*	.0		10.9	8.3	8.0	5.9	5.8	12.9	13.3	11.4	14.5	11.8
E	1.7	12.5	7.7	.4	*	*		27.4	10.0	22.6	19.5	18.5	18.4	21.5	22.1	27.1	19.7
SE	1.3	7.7	3.9	.7	*	.0		13.1	9.3	10.0	17.2	15.9	14.1	10.7	11.6	10.3	15.2
S	1.0	4.7	2.0	.2	*	.0		7.8	8.9	5.9	6.2	6.4	8.6	7.1	6.2	7.1	8.6
SW	1.1	4.4	3.3	.2	*	.0		10.1	9.7	11.2	7.1	10.6	9.9	9.6	10.4	9.1	10.7
W	1.3	6.9	3.9	.3	.0	.0		12.5	9.6	14.6	17.4	13.1	11.2	11.2	14.0	10.8	11.5
NW	1.4	4.1	1.3	.1	*	.0		7.9	7.6	7.7	10.6	7.5	4.3	8.6	10.2	8.4	5.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.0							8.0	.0	6.3	10.8	12.2	11.6	8.6	7.8	4.9	7.2
TOT OBS	1659	4944	2244	133	9	1	8895		6.3	2000	158	1935	190	1949	243	2189	223
TOT PCT	18.7	54.5	25.3	1.5	.1	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	4.3	2.9	.1	*	.0	7.3	6.7	5.3	5.7	9.7	8.2	
NE	4.6	5.5	.5	*	.0	10.9	8.3	7.8	8.3	12.9	14.3	
E	6.7	13.1	2.3	.1	*	22.4	10.0	22.3	18.5	21.6	28.5	
SE	4.9	7.1	1.1	.1	.0	13.1	9.3	16.1	15.7	10.3	10.8	
S	3.4	3.7	.6	.1	.0	7.8	8.9	8.7	8.4	7.0	7.3	
SW	3.4	5.5	1.1	*	.0	10.1	9.7	10.9	10.6	9.7	9.2	
W	4.5	6.8	1.2	*	.0	11.5	9.6	14.9	12.9	11.5	10.8	
NW	4.1	3.5	.4	*	.0	7.9	7.6	7.4	7.6	8.8	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.0					8.0	.0	6.6	12.1	8.5	5.1	
TOT OBS	3418	4282	657	35	3	8495		2166	2127	2192	2412	
TOT PCT	44.0	48.1	7.4	.4	*	100.0		100.0	100.0	100.0	100.0	

AREA 0009 GUATEMALA SW COAST
11.8N 91.0E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

MOYR	CALM	1-3		4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
					11-21	22-33	34-47				
00003	6.6	10.8	55.2	26.1	1.3	.0	.0	8.4	100.0	2186	
06109	12.1	11.5	56.6	18.7	1.0	.1	.0	7.3	100.0	2125	
12115	8.5	11.2	53.1	25.5	1.6	.1	.0	8.3	100.0	2197	
19621	5.1	10.0	54.5	30.1	1.9	.2	.0	9.1	100.0	2262	
TOT	7.0	9.6	54.6	22.8	1.51	.9	.1	8.3		8855	
PCT	8.0	10.7	55.3	23.5	1.5	.1	.0	100.0			

TABLE A
PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) 4M > 4.5)
AND OCCURRENCE OF 4M (5/P BY WIND DIRECTION

WPD	DIP	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER	000	150	300	600	1000	2000	3500	5000	6500	8000+	MM ANY	CS/8 HGT	TOTAL OBS
H	1-1	1-5	3-1	1-8	5-3	1-1	1-1	2-7	1-9	1-3	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	5-2
HE	1-5	2-4	4-4	2-5	5-3	1-1	1-1	1-2	1-10	1-2	1-5	1-2	1-1	1-1	1-1	1-1	1-1	1-1	1-1	7-4
E	3-1	4-4	10-0	4-6	5-3	1-2	1-1	1-10	1-8	2-6	1-9	1-4	1-1	1-1	1-1	1-1	1-1	1-1	1-1	15-7
SE	1-5	2-3	5-7	3-1	5-4	1-1	1-1	4-1	1-2	1-4	1-7	1-2	1-1	1-1	1-1	1-1	1-1	1-1	1-1	8-7
S	1-7	1-2	3-6	2-6	5-9	1-1	1-1	1-4	1-7	1-3	1-4	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	5-0
SW	1-8	1-5	4-4	3-5	6-0	1-1	1-1	1-5	1-2	1-4	1-5	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	6-1
NW	1-0	2-2	5-9	4-2	5-5	1-2	1-1	1-4	1-6	2-0	1-7	1-2	1-1	1-1	1-1	1-1	1-1	1-1	1-1	7-2
VAR	1-0	1-5	3-1	2-2	5-5	1-1	1-1	1-2	1-7	1-0	1-5	1-2	1-1	1-1	1-1	1-1	1-1	1-1	1-1	5-2
CALM	1-6	2-1	2-8	1-1	4-6	1-1	1-1	1-5	1-7	1-3	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	5-4
TOT OBS	462	1334	2862	1757	6836	5-5	55	45	196	645	849	324	114	33	20	19	4334	6836		
TOT PGT	12-6	19-6	42-2	25-7	100-0	1-3	1-7	2-8	9-4	12-4	4-8	1-7	1-5	1-3	1-3	1-3	66-3	100-0		

TABLE 7
CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (INCH 24/2) AND 1524 (INCH)

CEILING (FEET)	VSB (NMI)							
	± OR 1/2	± OR 1/5	± OR 1/2	± OR 1/5	± OR 1/2	± OR 1/5	± OR 1/2	± OR 1/5
± OR 76500	.5	.6	.6	.6	.6	.6	.6	.6
± OR 75000	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
± OR 73500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
± OR 72000	6.2	7.2	7.3	7.4	7.4	7.4	7.4	7.4
± OR 71000	16.5	19.3	19.7	19.8	19.8	19.8	19.8	19.8
± OR 70000	23.3	28.1	28.4	28.5	28.5	28.5	28.5	28.5
± OR 7000	26.7	.5	23.5	31.7	21.8	21.4	21.0	31.0
± OR 7150	75.1	31.0	32.1	32.5	32.4	32.3	32.5	32.5
± OR 7200	1.0	2.0	2.5	3.0	3.1	3.1	3.1	3.1
TOTAL	1.8	22.0	22.5	23.0	23.1	23.1	23.2	23.2

TOTAL NUMBER OF OPS: 1995

PC1 FREQ HN 45/E; 86-7

TABLE 1A
PERCENTAGE FREQ OF LOW CLOUDS HEIGHTS)

G	1	2	3	4	5	6	7	8	9	10	TOTAL
6.2	12.2	18.3	16.5	17.2	2.0	8.3	6.4	10.2	.5		7468

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1971-1975

JUNE

REF: 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT 1	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.5	
2<5	PCP	.0	.1	.2	.1	.1	.2	.2	.1	.0	.0	1.0	
	NO PCP	.0	.1	.7	.1	.0	.1	.1	.1	.0	.0	.0	
	TOT 1	.0	.2	.9	.2	.1	.3	.3	.2	.0	.0	1.0	
5<10	PCP	.2	.3	.5	.4	.3	.4	.5	.2	.0	.1	2.9	
	NO PCP	.4	.8	1.5	.5	.7	.8	1.1	.6	.0	.3	7.2	
	TOT 1	.6	1.1	1.9	1.2	1.0	1.2	1.6	.8	.0	.4	10.1	
10+	PCP	.2	.2	.6	.4	.4	.6	.5	.2	.0	.0	3.2	
	NO PCP	6.5	6.4	10.5	11.1	6.2	6.0	9.9	6.6	.0	7.0	84.2	
	TOT 1	6.7	6.6	20.1	11.5	6.6	6.5	10.4	6.8	.0	7.1	87.4	
TOT OBS													8344
TOT PCT													7.4 10.4 22.7 13.1 7.9 10.2 12.5 7.8 .0 7.5 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.2	.1	.0	.2	.1	.1	.0	.0	.0	
	11-21	.0	.1	.2	.1	.1	.1	.2	.0	.0	.0	.0	
	TOT 1	.0	.2	.4	.2	.1	.3	.3	.1	.0	.0	.0	
5<10	0-3	.1	.1	.1	.1	.0	.1	.1	.1	.0	.0	1.1	
	4-10	.4	.5	.9	.7	.5	.5	.7	.5	.0	.0	4.6	
	11-21	.1	.5	.8	.5	.4	.4	.6	.2	.0	.0	3.7	
	TOT 1	.6	1.1	1.4	1.3	1.0	1.2	1.6	.8	.0	.0	9.4	
10+	0-3	1.5	1.1	1.6	1.2	.9	1.0	1.1	1.2	.0	7.3	16.9	
	4-10	4.3	6.7	11.5	6.9	4.2	4.8	6.0	4.5	.0	.0	48.9	
	11-21	.8	1.7	6.6	3.3	1.4	2.5	3.1	1.1	.0	.0	20.5	
	TOT 1	6.6	9.6	20.0	11.5	6.5	8.5	10.5	6.8	.0	7.3	87.3	
TOT OBS													8653
TOT PCT													7.3 10.9 22.5 13.1 7.8 10.1 12.5 7.9 .0 7.8 100.0

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1871-1979AREA: 0009 GUATEMALA SW COAST
11.84 91.06

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 5499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.5	.4	1.8	6.4	10.0	3.9	2.1	.5	.2	.4	26.2	73.9	1921
0600Z	.9	.3	2.6	7.6	10.5	4.2	1.3	.2	.4	.3	28.5	71.5	1662
1201Z	1.0	1.0	3.8	11.1	13.7	4.8	1.0	.4	.1	.1	37.0	63.0	1837
1802Z	.6	.7	2.6	10.4	13.4	5.2	1.6	.7	.5	.4	36.4	63.4	1887
TOT	55	46	198	642	870	331	114	34	20	22	2342	4965	7307
PCT	.8	.6	2.7	8.9	11.9	4.5	1.6	.5	.3	.3	32.1	67.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	.0	.2	1.6	7.2	90.9	2182
0600Z	.3	.2	.3	1.5	10.0	87.7	2135
1201Z	.5	.3	.6	3.1	12.5	83.0	2149
1802Z	.3	.1	.6	1.6	9.4	87.5	2374
TOT	25	13	40	174	879	7751	6862
PCT	.3	.1	.5	2.0	9.6	87.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMI) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.5	2.9	10.2	17.2	72.6	1837
0600Z	1.0	4.1	13.0	17.6	69.5	1572
1201Z	1.1	6.1	18.5	20.3	61.2	1759
1802Z	.7	4.2	15.7	21.9	62.3	1827
TOT	57	302	1075	1350	4440	6995
PCT	.4	4.3	14.4	19.3	66.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.7	.3	.1	.0	86	1.2
85/89	.0	.0	.0	.1	2.3	17.0	2.4	.4	1057	15.2
80/84	.0	.0	.0	.1	1.5	22.6	35.0	6.7	4797	68.8
75/79	.0	.0	.0	.0	.0	.6	.1	7.6	1004	14.4
70/74	.0	.0	.0	.0	.0	.0	.0	.4	26	.4
TOTAL	0	0	1	17	320	2335	3245	1052	6970	100.0
PCT	.0	.0	.0	.2	4.6	33.5	46.6	15.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	.2	.3	.2	.1	.0	.2	.2	.0	.1
85/89	1.5	2.0	4.2	1.7	.8	.7	1.6	1.4	.0	1.3
80/84	4.9	7.2	15.7	9.5	5.3	6.9	8.2	5.0	.0	6.1
75/79	.8	1.2	2.2	1.5	1.7	2.7	2.6	1.1	.0	.6
70/74	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0
TOTAL	7.4	10.6	22.4	12.9	8.0	10.4	12.5	7.8	.0	6.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	95	89	87	82	78	75	71	82.6	2220
0600Z	90	86	84	82	78	75	69	81.4	2149
1201Z	95	86	84	81	77	74	70	80.8	2216
1802Z	95	91	89	84	78	75	73	83.5	2441
TOT	95	90	87	82	77	75	69	82.1	9648

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(G=1)												OBS
0000Z	.0	.1	5.2	41.2	42.9	10.6	80	1921				
0600Z	.0	.0	1.4	25.9	55.8	16.6	43	1716				
1201Z	.0	.2	1.4	20.8	55.6	21.6	44	1789				
1802Z	.0	.7	9.4	45.0	33.4	11.6	79	1838				
TOT	0	18	327	2394	3345	1090	82	7164				

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1971-1979AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
9/10	.0	.0	.0	.1	.0	.1	.0	19	.0	.2
7/8	.0	.0	.0	.2	.3	.3	.1	65	.0	.4
6	.0	.0	.0	.1	.3	.2	.0	44	.0	.6
5	.0	.0	.1	.2	.7	.4	.1	130	.0	1.4
4	.0	.0	.0	.6	1.2	.4	.0	178	.0	2.3
3	.0	.0	.1	.9	1.5	.1	.0	201	.0	2.6
2	.0	.0	.1	2.9	2.2	.2	.0	433	.0	5.5
1	.0	.0	.3	3.8	2.3	.1	.0	504	.0	6.4
0	.0	.0	1.0	9.6	2.5	.1	.0	1035	.0	13.2
-1	.0	.0	1.3	9.2	1.6	.0	.0	455	.0	12.2
-2	.0	.1	2.7	11.3	.9	.0	.0	1172	.0	14.9
-3	.0	.1	3.2	7.9	.2	.0	.0	853	.0	11.4
-4	.0	.1	4.1	6.6	.1	.0	.0	880	.0	11.0
-5	.0	.1	3.5	3.4	.1	.0	.0	564	.0	7.2
-6	.0	.1	2.6	1.1	.0	.0	.0	313	.0	4.0
-7/-8	.0	.5	2.8	.7	.0	.0	.0	317	.0	4.0
-9/-10	.0	.5	.8	.1	.0	.0	.0	118	.0	1.5
-11/-13	.0	.4	.2	.0	.0	.0	.0	49	.0	.6
-14/-16	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	5	170	1805	4601	1109	139	9	7638	6	7832
PCT	.1	2.2	23.0	58.7	14.1	1.8	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.4	1.0	.0	.0	.0	.0	1.5	.2	1.2	.1	.0	.0	.0	1.5
1-2	.5	2.0	.1	.0	.0	.0	2.6	.4	3.1	.5	.0	.0	.0	4.0
3-4	.0	.8	.3	.1	.0	.0	1.2	.0	1.4	.8	.1	.0	.0	2.3
5-6	.0	.2	.1	.0	.0	.0	.2	.0	.1	.4	.1	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.0	.5	.1	.0	.0	5.5	.6	5.9	1.9	.3	.1	.0	8.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.6	1.8	.2	.0	.0	.0	2.6	.3	.9	.0	.0	.0	.0	1.2
1-2	.2	1.7	.0	.0	.0	.0	2.1	.4	3.7	.9	.0	.0	.0	5.1
3-4	.0	3.0	2.8	.3	.0	.0	6.1	.0	2.0	1.9	.0	.0	.0	3.9
5-6	.0	.6	2.2	.0	.0	.0	3.0	.0	.2	1.3	.0	.0	.0	1.5
7	.0	.1	.5	.2	.1	.0	.4	.0	.0	.2	.2	.0	.0	.5
8-9	.0	.2	.3	.0	.0	.0	.3	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	10.8	7.7	.6	.1	.0	19.9	.7	6.8	4.2	.3	.0	.0	12.5

PERIOD: (OVER-ALL) 1963-1979

JUNE
TABLE 18 (CONT)

AREA 009 GUATEMALA SW COAST
11.84 91.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.8	.0	.0	.0	1.6	.1	1.7	.0	.0	.0	.0	1.8
1-2	.2	3.0	.2	.0	.0	.0	3.5	.5	3.3	.7	.0	.0	.0	4.5
3-4	.1	1.1	1.1	.0	.0	.0	2.5	.1	2.0	1.6	.0	.0	.0	4.0
5-6	.1	.1	.7	.2	.1	.0	1.1	.1	.3	1.5	.1	.0	.0	2.1
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.4	.2	.0	.0	.8
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.8	2.6	.2	.1	.0	9.3	.7	7.3	4.2	.3	.0	.0	13.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	2.1	.8	.0	.0	.0	2.7	.5	1.4	.8	.0	.0	.0	2.0	
1-2	.5	3.7	1.1	.0	.0	.0	5.2	.2	2.2	.6	.0	.0	.0	2.9	
3-4	.4	2.4	2.1	.1	.0	.0	5.0	.1	.9	.6	.0	.0	.0	1.5	
5-6	.1	.8	1.6	.0	.0	.0	2.5	.0	.4	.2	.0	.0	.0	.6	
7	.1	.1	.3	.1	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.1	.2	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	9.4	5.3	.4	.0	.0	16.4	.7	6.9	1.4	.0	.0	.0	7.1	93.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.8	11.4	.4	.0	.0	.0	22.7	
1-2	3.1	25.9	5.7	.0	.0	.0	34.9	
3-4	.6	13.7	11.2	.5	.0	.0	26.0	
5-6	.2	2.7	8.2	.4	.1	.0	11.6	
7	.0	.2	2.0	.8	.1	.0	3.2	
8-9	.0	.2	.6	.2	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.9	54.2	28.7	2.1	.2	.0	100.0	1967

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.5	13.7	15.6	7.3	2.4	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.5	3
6-7	.1	2.6	7.9	4.4	3.7	1.3	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	157.6	5
8-9	.1	1.0	3.0	3.1	2.3	.4	.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71.3	5
10-11	.0	.5	1.0	1.1	.9	.4	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.0	6
12-13	.0	.0	.8	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	5
13	.0	.0	.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	7
14-15	5.2	1.7	2.1	1.4	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72.5	2
TOTAL	428	1234	1992	1436	667	253	120	32	27	8	4	1	0	0	0	0	0	0	0	632.2	6
PCT	9.4	19.5	30.3	22.7	10.5	4.0	1.4	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (MCI-129) 1957-1979
(OLR-ALL) 1972-1979

JULY

APEJ 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT GB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG
N	1.9	1.4	.5	.0	.0	.0	.0	4.6	2.3	7.5	.0	.0	.4	.0	85.4
NE	3.0	1.5	.5	.0	.0	.0	.0	5.3	2.1	5.9	.2	.0	.4	.0	86.6
E	3.2	1.6	1.3	.0	.0	.0	.0	6.1	3.4	5.4	.2	.0	.4	.1	85.0
SE	3.8	2.1	1.4	.0	.0	.0	.0	7.1	3.5	6.6	.0	.0	.3	.0	82.9
S	4.5	3.3	.9	.0	.0	.0	.0	8.7	5.1	5.1	.0	.0	.2	.0	81.3
SW	6.7	5.7	1.5	.0	.0	.0	.0	11.9	4.1	4.4	.0	.0	.1	.0	80.0
W	5.9	2.4	1.3	.0	.0	.0	.0	7.4	3.1	6.2	.2	.0	.2	.0	82.8
NW	2.6	2.9	.3	.0	.0	.0	.0	5.6	2.8	7.6	.1	.0	.9	.0	83.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.3	.3	.0	.0	.0	.0	1.6	1.6	9.2	.4	.0	1.3	.3	85.3
TOT PCT	3.1	2.0	1.1	.0	.0	.0	.0	6.0	3.0	6.2	.2	.0	.4	.0	84.5
TOT OBS:	8374														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN SHR	DRZL SHR	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIL PCPN	PCPN AT GB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST BLNG SNOW	NO SIG
0000	1.2	1.4	.4	.0	.0	.0	3.1	2.0	.8	.0	.0	.4	.0	92.5
0600	2.5	1.7	1.0	.0	.0	.0	5.2	2.5	18.2	.4	.0	.3	.1	73.9
1200	5.9	3.2	1.8	.0	.0	.0	10.6	4.1	6.1	.2	.0	.4	.0	79.2
1800	2.8	1.6	.6	.0	.0	.0	5.3	3.2	.7	.2	.0	.5	.0	90.1
TOT PCT TOT OBS:	3.1 8346	2.0	1.1	.0	.0	.0	6.0	3.0	6.4	.2	.0	.4	.1	84.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	PEAK SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.7	5.5	.9	.1	.0	.0	.0	8.2	6.8	4.8	4.5	8.9	12.3	31.1	11.5	7.7	8.0
NE	1.7	11.8	4.7	.3	.0	.0	.0	18.6	8.9	14.0	18.5	13.4	25.4	22.9	23.5	22.8	19.8
E	2.5	17.3	12.9	1.0	.1	.0	.0	33.8	10.5	33.3	27.6	30.1	26.5	33.5	33.9	29.0	36.3
SE	1.0	7.1	4.3	.4	.0	.0	.0	12.7	10.0	17.2	18.3	15.1	4.5	8.9	7.9	10.2	12.7
S	.4	2.4	1.1	.0	.0	.0	.0	4.9	8.0	6.7	5.9	5.1	4.7	4.5	2.9	1.7	4.8
SW	.5	2.3	.7	.0	.0	.0	.0	3.6	7.9	4.7	3.7	3.8	2.6	5.1	2.2	3.1	1.6
W	1.0	3.1	.8	.0	.0	.0	.0	5.0	7.5	6.1	5.5	6.5	3.7	4.7	3.4	4.1	1.3
NW	1.2	3.5	.8	.0	.0	.0	.0	5.5	6.9	5.7	6.5	5.3	5.9	5.9	4.8	5.1	6.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.7							7.7	.0	8.2	9.4	11.9	10.4	6.0	5.5	4.5	6.4
TOT OBS	1409	4759	2345	159	10	0	8882		4.5	2044	127	2039	702	1926	219	2126	197
TOT PCT	19.1	57.6	26.4	1.4	.1	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR (GMT)	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	PEAK SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	08+	09+				00	03	09	18
N	4.8	3.2	.1	.0	.0	.0	.0	8.2	6.8	4.8	4.5	8.9	11.2	7.7
NE	7.1	10.2	1.2	.1	.0	.0	.0	18.6	8.9	14.0	18.5	13.4	23.0	22.5
E	9.1	20.2	4.0	.2	.0	.0	.0	33.8	10.5	33.3	27.6	30.1	26.7	33.5
SE	4.1	7.2	1.4	.1	.0	.0	.0	12.7	10.0	17.2	18.3	15.1	4.5	8.9
S	2.3	2.2	.4	.0	.0	.0	.0	4.9	8.0	6.7	5.9	5.1	4.7	4.5
SW	1.7	1.6	.2	.0	.0	.0	.0	3.6	7.9	4.7	3.7	3.8	2.6	5.1
W	2.6	2.2	.3	.0	.0	.0	.0	5.0	7.5	6.1	5.5	6.5	3.7	4.7
NW	3.1	2.3	.1	.0	.0	.0	.0	5.5	6.9	5.7	6.5	5.3	5.9	4.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.7							7.7	.0	8.2	9.4	11.9	10.4	6.0
TOT OBS	3747	680	34	2	8882				4.5	2171	2240	2145	2326	
TOT PCT	42.6	7.7	.4	.0	100.0					100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1977-1979AREA CODE GUATEMALA SW COAST
11.8A 91.0A

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000	6.4	10.5	54.4	25.0	1.6	0	0	8.2	2171
0600	11.8	11.3	54.9	20.6	1.3	0	0	7.5	2240
1200	6.0	10.4	54.3	27.3	1.8	0	0	8.7	2145
1800	4.6	9.5	50.6	32.5	2.5	0	0	9.3	2326
TOT	683	926	4759	2345	159	10	0	8.5	6882
PCT	7.7	10.4	53.6	26.4	1.8	0	0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	1.6	1.4	2.9	3.3	9.2	4.7
NE	3.5	4.0	7.2	3.4	17.9	4.9
E	6.6	7.3	13.7	7.2	34.8	5.0
SE	2.1	2.4	4.3	2.9	11.7	4.2
S	4.6	4.8	7.4	1.4	18.2	5.7
SW	4.4	4.5	1.4	1.4	11.7	6.0
W	4.8	4.0	2.1	1.4	12.3	5.4
NW	1.0	1.1	2.0	1.1	5.1	5.1
VAP	4.0	4.0	0	0	8.0	4.0
CALM	2.2	1.4	2.7	1.1	7.4	4.4
TOT OBS	1290	1394	2664	1426	6774	5.0
TOT PCT	19.0	20.6	39.3	21.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) > 4000
AND OCCURRENCE OF 4000 (KTS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	1.6	1.4	2.9	3.3	9.2	4.7
NE	3.5	4.0	7.2	3.4	17.9	4.9
E	6.6	7.3	13.7	7.2	34.8	5.0
SE	2.1	2.4	4.3	2.9	11.7	4.2
S	4.6	4.8	7.4	1.4	18.2	5.7
SW	4.4	4.5	1.4	1.4	11.7	6.0
W	4.8	4.0	2.1	1.4	12.3	5.4
NW	1.0	1.1	2.0	1.1	5.1	5.1
VAP	4.0	4.0	0	0	8.0	4.0
CALM	2.2	1.4	2.7	1.1	7.4	4.4
TOT OBS	1290	1394	2664	1426	6774	5.0
TOT PCT	19.0	20.6	39.3	21.0	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (4000 FT) AND WSBT (4000)

CEILING (FT)	WSBT (4000)							
	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+
0-2	1.6	1.4	2.9	3.3	9.2	17.9	34.8	11.7
3-4	1.6	2.8	4.2	5.6	15.1	27.0	39.7	11.7
5-7	1.6	2.8	7.1	10.0	22.1	37.1	49.8	11.7
8-10	1.6	2.8	7.1	12.4	24.5	39.5	51.2	11.7
11-21	1.6	2.8	7.1	12.4	26.9	41.9	53.6	11.7
22-33	1.6	2.8	7.1	12.4	26.9	44.3	56.0	11.7
34-47	1.6	2.8	7.1	12.4	26.9	44.3	58.4	11.7
48+	1.6	2.8	7.1	12.4	26.9	44.3	58.4	11.7
TOTAL	15.7	18.9	19.0	19.0	19.0	19.0	19.0	19.0

TOTAL NUMBER OF OBS: 6774

PCT FREQ 4000 (KTS) 71.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
11.2	16.4	17.7	14.6	11.2	7.4	7.2	5.7	4.2	4.4	7342

JULY

AREA OCCUR SUATEMALA SW COAST
11.6N 91.0WPERIOD: (PRIMARY) 1953-1970
(OVER-ALL) 1972-1976

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCUR-
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WIND (KPH)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	0	0	+1	0	0	+0	0	0	+0	0	+2	
NO PCP	0	0	0	0	0	+0	0	0	+0	0	+1	
TOT 1	0	+1	-1	0	0	+0	0	0	+0	0	+3	
PCP	+0	+0	0	0	+0	+0	0	+0	+0	+0	0	
NO PCP	+0	+0	0	+0	+0	+0	+0	+0	+0	+0	0	
TOT 1	+0	+0	0	0	+0	+0	+0	+0	+0	+0	+1	
PCP	0	0	+1	+1	+0	0	0	+0	+0	+0	+2	
NO PCP	+0	0	0	+0	0	+0	0	+0	+0	+0	+1	
TOT 1	0	+1	+1	+1	0	0	0	+0	+0	+0	+3	
PCP	0	+1	+0	+1	+1	0	+1	+0	+0	0	+6	
NO PCP	+1	+1	+2	0	0	0	+1	+0	0	0	+6	
TOT 1	+1	+2	+5	+1	+1	+1	+1	+0	+1	+1	+12	
PCP	+2	+4	+6	+0	+1	+2	+1	+1	+0	0	+24	
NO PCP	+4	+1	+2	+0	+0	+3	+4	+4	+0	0	+24	
TOT 1	+6	+5	+8	+0	+1	+5	+5	+5	+0	0	+48	
PCP	+2	+0	+0	+0	+2	+2	+1	+0	0	0	+7	
NO PCP	+4	+0	+0	+0	+0	+2	+1	+0	0	0	+7	
TOT 1	+6	+0	+0	+0	+2	+4	+2	+0	0	0	+14	
TOT OBS	8.3	19.5	34.1	17.7	4.9	14.4	5.1	5.4	+0	7.4	100.0	8319
TOT PCT												

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

WIND (KPH)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-3	+0	0	+0	+0	0	+0	+0	+0	+0	0	0	
4-10	0	0	0	0	0	+0	0	0	+0	0	+1	
11-21	+0	0	+1	0	+0	+0	0	0	+0	0	0	
22+	+0	0	0	+0	+0	+0	+0	0	+0	0	+3	
TOT 1	0	+1	+1	0	0	+0	0	+1	+0	0	+4	
0-3	+0	+0	+0	+0	+0	+0	+0	+0	+0	0	0	
4-10	+0	+0	0	+0	+0	+0	0	+0	+0	0	0	
11-21	+0	+0	0	0	+0	+0	+0	+0	+0	0	+0	
22+	+0	+0	0	0	+0	+0	0	+0	+0	0	+1	
TOT 1	+0	+0	0	0	+0	+0	0	+0	+0	0	+1	
0-3	+0	+0	+0	+0	+0	+0	+0	+0	+0	0	+0	
4-10	0	0	0	0	0	0	0	+0	+0	0	+1	
11-21	+0	0	+1	+0	+0	+0	+0	+0	+0	0	+1	
22+	+0	0	0	0	+0	+0	+0	+0	+0	0	+1	
TOT 1	0	+1	+1	+1	+1	+1	+1	+1	+1	0	+4	
0-3	+1	+1	+1	0	0	0	+1	+1	+0	0	+4	
4-10	+3	+0	+1	+0	+2	+2	+1	+2	+0	0	+10	
11-21	+1	+5	+2	+5	+2	+2	+1	+2	+0	0	+16	
22+	0	+1	+2	+1	0	0	0	+0	+0	0	+4	
TOT 1	+5	+7	+6	+8	+4	+4	+3	+4	+0	0	+38	
0-3	+1	+1	+1	0	0	0	+1	+1	+0	0	+4	
4-10	+3	+0	+1	+0	+2	+2	+1	+2	+0	0	+10	
11-21	+1	+5	+2	+5	+2	+2	+1	+2	+0	0	+16	
22+	0	+1	+2	+1	0	0	0	+0	+0	0	+4	
TOT 1	+5	+7	+6	+8	+4	+4	+3	+4	+0	0	+38	
TOT OBS	8.2	18.6	33.9	14.7	4.9	14.6	5.1	5.5	+0	7.6	100.0	8627
TOT PCT												

PERIOD: (P)1951-1979
(O)1972-1976

JULY

AREA CODE GUATEMALA 56 COAST
11.6N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, KM 3/8) AND
OCCURRENCE OF KM 5/8 BY HOUR

HOUR (GMT)	100	150	200	6FC	1000	2000	3500	5000	6500	ADDS	TOTAL	NH 5/8 ANY HGT	TOTAL OBS
0000Z	.1	.3	1.0	4.2	7.4	4.1	1.8	.5	.4	.5	21.5	74.5	1915
0600Z	1.3	.2	1.7	6.4	9.6	4.3	1.4	.2	.4	.7	26.1	73.9	1698
1201Z	1.1	.5	2.3	10.8	11.5	3.6	1.9	.6	.5	.5	34.7	65.3	1742
1802Z	.6	.5	1.7	6.1	11.3	5.8	1.9	.4	.4	.3	24.2	70.7	1855
TOT	.5	.26	1.29	5.04	7.20	3.29	1.26	.37	.34	.14	20.9	52.21	7230
PCT	.8	.4	1.9	7.1	10.0	4.6	1.7	.5	.4	.5	27.8	72.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.2	.1	.2	1.0	5.3	25.2	2184
0600Z	.4	.4	.5	1.9	10.7	87.3	2227
1201Z	.4	.1	.4	2.6	10.2	86.3	2146
1802Z	.4	.1	.1	1.3	7.4	90.6	2282
TOT	.31	.4	.28	1.46	7.26	74.01	6840
PCT	.4	.1	.3	1.7	8.2	84.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, KM 3/8) BY HOUR

HOUR (GMT)	<150 (400)	<600 (180)	<1000 (300)	<2000 (600)	NH 5/8 AND 5+	TOTAL OBS
0000Z	.2	1.7	7.7	14.5	73.3	1821
0600Z	1.3	3.4	10.9	16.4	72.7	1617
1201Z	1.1	5.2	16.9	19.3	63.8	1582
1802Z	.5	3.0	9.6	23.7	64.7	1794
TOT	.53	2.26	7.66	12.44	49.10	6914
PCT	.8	2.3	11.0	14.0	71.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
90/94	.0	.0	.0	.2	.5	.4	.1	.0	83	1.2
85/89	.0	.0	.0	.7	3.1	10.7	3.0	.6	1190	17.1
80/84	.0	.0	.0	.1	2.1	24.5	34.7	6.4	4677	67.8
75/79	.0	.0	.0	.0	.0	6.7	5.8	.27	927	13.4
70/74	.0	.0	.0	.0	.0	.0	.0	.0	20	.3
TOTAL	.0	.0	.0	.24	4.01	24.69	30.61	9.5	6400	100.0
PCT	.0	.0	.0	.4	5.0	35.2	44.4	15.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.3	.4	.1	.1	.0	.0	.1	.0	.1
85/89	1.5	3.7	6.1	2.1	.5	.3	.0	1.0	.0	1.2
80/84	5.6	12.3	24.2	8.7	2.4	2.2	2.3	3.5	.0	5.5
75/79	.8	2.1	3.9	1.7	1.4	1.1	1.1	.6	.0	.6
70/74	.0	.1	.1	.1	.1	.0	.0	.1	.0	.0
TOTAL	8.0	18.4	34.7	12.7	4.9	3.8	4.8	5.3	.0	7.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	992	951	507	51	12	MIN	MEAN	TOTAL OBS
0000Z	95	90	88	82	74	76	69	83.0	7212
0600Z	91	86	84	81	78	75	72	81.3	2354
1201Z	95	86	84	81	77	74	72	80.7	2172
1802Z	95	91	89	84	74	74	69	83.6	2358
TOT	95	90	87	82	74	75	69	82.2	9246

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	79	1807
0600Z	.0	.0	.0	.0	.0	.0	.0	.0	82	1787
1201Z	.0	.0	.0	.0	.0	.0	.0	.0	84	1726
1802Z	.0	.0	.0	.0	.0	.0	.0	.0	78	1747
TOT	.0	.0	.0	.0	.0	.0	.0	.0	91	7277

PERIOD: (JULY-JUNE) 1957-1976
(JULY-JUNE) 1977-1978

JULY

AREA CODE GUATEMALA S' COAST
11.4N 91.0W

TABLE 17

PCT FREQ OF F2F TEMPERATURE (10°F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (10°F)

AIR-SEA TEMP	65 72	71 76	77 80	81 84	85 88	89 92	93 96	97 100	FOG FREQ	NO FOG
16/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17/27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18/26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21/23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23/21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27/17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29/15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30/14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31/13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32/12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33/11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35/9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37/7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38/6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39/5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40/4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41/3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42/2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43/1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
92/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
94/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
96/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
98/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100/0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	164	1740	6621	151	2742	10740	12	6948		
PCT	.1	2.2	22.9	54.6	35.4	2.7	.2			

PERIOD: (JULY-JUNE) 1967-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

SEA HEIGHT	1-3	4-10	11-21	22-32	33-44	PCT
1-3	.0	.0	.0	.0	.0	.0
4-10	.0	.0	.0	.0	.0	.0
11-21	.0	.0	.0	.0	.0	.0
22-32	.0	.0	.0	.0	.0	.0
33-44	.0	.0	.0	.0	.0	.0
45-55	.0	.0	.0	.0	.0	.0
56-66	.0	.0	.0	.0	.0	.0
67-77	.0	.0	.0	.0	.0	.0
78-88	.0	.0	.0	.0	.0	.0
89-99	.0	.0	.0	.0	.0	.0
100-110	.0	.0	.0	.0	.0	.0
111-121	.0	.0	.0	.0	.0	.0
122-132	.0	.0	.0	.0	.0	.0
133-143	.0	.0	.0	.0	.0	.0
144-154	.0	.0	.0	.0	.0	.0
155-165	.0	.0	.0	.0	.0	.0
166-176	.0	.0	.0	.0	.0	.0
177-187	.0	.0	.0	.0	.0	.0
188-198	.0	.0	.0	.0	.0	.0
199-209	.0	.0	.0	.0	.0	.0
210-220	.0	.0	.0	.0	.0	.0
221-231	.0	.0	.0	.0	.0	.0
232-242	.0	.0	.0	.0	.0	.0
243-253	.0	.0	.0	.0	.0	.0
254-264	.0	.0	.0	.0	.0	.0
265-275	.0	.0	.0	.0	.0	.0
276-286	.0	.0	.0	.0	.0	.0
287-297	.0	.0	.0	.0	.0	.0
298-308	.0	.0	.0	.0	.0	.0
309-319	.0	.0	.0	.0	.0	.0
320-330	.0	.0	.0	.0	.0	.0
331-341	.0	.0	.0	.0	.0	.0
342-352	.0	.0	.0	.0	.0	.0
353-363	.0	.0	.0	.0	.0	.0
364-374	.0	.0	.0	.0	.0	.0
375-385	.0	.0	.0	.0	.0	.0
386-396	.0	.0	.0	.0	.0	.0
397-407	.0	.0	.0	.0	.0	.0
408-418	.0	.0	.0	.0	.0	.0
419-429	.0	.0	.0	.0	.0	.0
430-440	.0	.0	.0	.0	.0	.0
441-451	.0	.0	.0	.0	.0	.0
452-462	.0	.0	.0	.0	.0	.0
463-473	.0	.0	.0	.0	.0	.0
474-484	.0	.0	.0	.0	.0	.0
485-495	.0	.0	.0	.0	.0	.0
496-506	.0	.0	.0	.0	.0	.0
507-517	.0	.0	.0	.0	.0	.0
518-528	.0	.0	.0	.0	.0	.0
529-539	.0	.0	.0	.0	.0	.0
540-550	.0	.0	.0	.0	.0	.0
551-561	.0	.0	.0	.0	.0	.0
562-572	.0	.0	.0	.0	.0	.0
573-583	.0	.0	.0	.0	.0	.0
584-594	.0	.0	.0	.0	.0	.0
595-605	.0	.0	.0	.0	.0	.0
606-616	.0	.0	.0	.0	.0	.0
617-627	.0	.0	.0	.0	.0	.0
628-638	.0	.0	.0	.0	.0	.0
639-649	.0	.0	.0	.0	.0	.0
650-660	.0	.0	.0	.0	.0	.0
661-671	.0	.0	.0	.0	.0	.0
672-682	.0	.0	.0	.0	.0	.0
683-693	.0	.0	.0	.0	.0	.0
694-704	.0	.0	.0	.0	.0	.0
705-715	.0	.0	.0	.0	.0	.0
716-726	.0	.0	.0	.0	.0	.0
727-737	.0	.0	.0	.0	.0	.0
738-748	.0	.0	.0	.0	.0	.0
749-759	.0	.0	.0	.0	.0	.0
760-770	.0	.0	.0	.0	.0	.0
771-781	.0	.0	.0	.0	.0	.0
782-792	.0	.0	.0	.0	.0	.0
793-803	.0	.0	.0	.0	.0	.0
804-814	.0	.0	.0	.0	.0	.0
815-825	.0	.0	.0	.0	.0	.0
826-836	.0	.0	.0	.0	.0	.0
837-847	.0	.0	.0	.0	.0	.0
848-858	.0	.0	.0	.0	.0	.0
859-869	.0	.0	.0	.0	.0	.0
870-880	.0	.0	.0	.0	.0	.0
881-891	.0	.0	.0	.0	.0	.0
892-902	.0	.0	.0	.0	.0	.0
903-913	.0	.0	.0	.0	.0	.0
914-924	.0	.0	.0	.0	.0	.0
925-935	.0	.0	.0	.0	.0	.0
936-946	.0	.0	.0	.0	.0	.0
947-957	.0	.0	.0	.0	.0	.0
958-968	.0	.0	.0	.0	.0	.0
969-979	.0	.0	.0	.0	.0	.0
980-990	.0	.0	.0	.0	.0	.0
991-1001	.0	.0	.0	.0	.0	.0
TOTAL	2.4	18.4	15.7	.4	.1	37.0

PERIOD: (OVER-ALL) 1963-1970

JULY

AREA 0009 GUATEMALA SW COAST
11.0N 91.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9	.2	.6	.0	.0	.0	.0	.7
1-2	.1	1.3	.5	.0	.0	.0	1.9	.4	1.3	.2	.0	.0	.0	1.9
3-4	.0	.6	.3	.0	.0	.0	.9	.0	.7	.2	.0	.0	.0	.9
5-6	.1	.2	.2	.0	.0	.0	.5	.0	.3	.2	.1	.0	.0	.5
7	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.0	1.1	.0	.0	.0	4.4	.6	2.6	.7	.1	.0	.0	4.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	.3	.0	.0	.0	.0	.8	.4	.3	.0	.0	.0	.0	1.3	
1-2	.4	1.6	.1	.0	.0	.0	2.1	.3	1.5	.1	.0	.0	.0	2.9	
3-4	.1	.5	.4	.1	.0	.0	1.0	.1	.4	.2	.0	.0	.0	.8	
5-6	.0	.2	.1	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	2.6	.7	.1	.0	.0	4.4	.6	3.2	.6	.0	.0	.0	4.7	94.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.9	9.7	.3	.0	.0	.0	20.9	
1-2	3.5	25.9	6.4	.1	.0	.0	35.8	
3-4	.9	12.4	12.6	.5	.0	.0	26.4	
5-6	.2	3.5	7.5	.5	.1	.0	11.7	
7	.2	.8	2.6	.3	.0	.0	3.8	
8-9	.0	.1	.7	.3	.1	.0	1.2	
10-11	.0	.0	.1	.1	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.4	52.5	30.2	1.7	.2	.0	100.0	1898

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.4	14.4	16.4	8.4	2.7	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3000	3
6-7	.1	2.0	8.7	8.1	4.3	1.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1590	5
8-9	.0	.7	2.9	3.2	1.5	.7	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	605	5
10-11	.0	.1	.7	1.2	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	739	5
12-13	.0	.1	.8	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117	5
313	.0	.0	.0	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	7
INDET	4.6	1.1	1.9	1.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	641	2
TOTAL	592	11.8	1974	1405	644	215	99	28	24	6	7	1	0	0	0	0	0	0	0	6253	4
PCT	9.5	18.7	31.6	23.9	10.3	3.4	1.6	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVERALL) 1953-1979

AUGUST

AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	2.2	2.2	.6	.0	.0	.0	.0	5.1	2.0	8.0	.2	.0	.5	.2	84.3
NE	3.7	2.1	1.4	.0	.0	.0	.0	7.4	2.9	5.6	.1	.0	.5	.0	83.8
E	3.2	1.9	1.0	.0	.0	.0	.0	5.9	3.5	5.2	.2	.0	.4	.	85.1
SE	3.2	2.2	1.4	.0	.0	.0	.0	6.5	3.3	7.0	.1	.0	.2	.0	83.1
S	3.8	3.4	1.6	.0	.0	.0	.0	8.7	4.7	7.8	.2	.0	.0	.2	78.6
SW	6.7	2.7	1.5	.0	.0	.0	.0	10.1	4.9	4.6	.0	.0	.2	.0	80.6
W	1.7	2.6	2.7	.0	.0	.0	.0	8.4	5.4	5.7	.0	.0	.3	.0	80.3
NW	3.1	1.3	1.3	.0	.0	.0	.0	5.4	2.5	7.2	.2	.0	.4	.0	84.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	.7	.3	.0	.0	.0	.0	2.1	1.8	6.7	.1	.0	1.3	.1	87.8
TOT PCT	3.3														
TOT OBS: A020	2.0	1.3	.0	.0	.0	.0	.0	6.4	3.4	6.1	.1	.0	.4	.	83.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION* TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0000Z	2.1	.8	.6	.0	.0	.0	.0	3.2	2.0	.9	.0	.0	.3	.0	93.6
0600Z	2.6	1.7	1.3	.0	.0	.0	.0	5.1	2.4	17.4	.2	.0	.7	.1	74.8
1201Z	6.1	3.4	2.5	.0	.0	.0	.0	11.6	5.3	7.5	.3	.0	.6	.1	75.1
1802Z	3.0	2.3	.9	.0	.0	.0	.0	6.2	3.4	.6	.1	.0	.3	.0	89.3
TOT PCT	3.4	2.0	1.2	.0	.0	.0	.0	6.5	3.3	6.4	.1	.0	.4	.0	83.5
TOT OBS: #270															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	1.5	5.0	.7	.1	.0	.0		7.3	6.7	3.6	6.2	7.2	10.5	10.6	7.0	7.7	7.8	
NE	1.5	9.8	3.4	.2	.0	.0		14.9	8.6	11.7	9.7	11.0	15.5	17.3	18.9	18.9	19.0	
E	2.5	15.8	9.6	.7	.1	.0		28.7	9.9	28.5	18.8	23.1	22.3	29.2	29.8	34.4	28.5	
SE	1.6	8.2	4.2	.2	.0	.0		14.2	9.1	14.2	16.1	16.6	12.6	10.5	9.0	12.2	13.6	
S	1.1	3.9	1.1	.0	.0	.0		6.1	7.6	7.4	9.9	6.9	6.2	4.8	5.0	4.9	8.2	
SW	.7	4.1	1.4	.1	.0	.0		6.3	8.5	8.4	9.7	8.3	7.3	4.8	9.0	5.0	6.6	
W	1.3	4.7	1.3	.0	.0	.0		7.5	7.7	8.6	9.1	8.9	7.5	6.8	9.3	5.6	6.1	
NW	1.1	4.5	.6	.0	.0	.0		6.3	6.9	5.0	9.7	6.5	10.9	6.7	6.1	6.2	7.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.7							8.7	.0	8.6	10.9	13.4	7.3	9.2	5.9	5.0	3.2	
TOT OBS	1699	4774	1098	112	6	1	A500		7.9	1965	129	1872	193	1801	221	2132	187	
TOT PCT	20.0	56.2	22.4	1.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40					00	03	06	12	15	18	21
N	4.1	3.0	.1	.0	.0	7.3	6.7	3.7	7.5	10.2	7.7			
NE	6.0	6.1	.8	.1	.0	14.9	8.6	11.6	11.4	17.5	18.9			
E	8.9	16.4	2.8	.1	.0	28.7	9.9	27.9	23.1	23.3	33.9			
SE	5.1	8.3	.8	.0	.0	14.2	9.1	18.0	16.3	10.4	12.4			
S	3.0	2.9	.2	.0	.0	6.1	7.6	7.5	6.9	4.9	5.1			
SW	2.9	2.8	.5	.0	.0	6.3	8.5	8.5	6.4	5.3	5.1			
W	3.7	3.4	.4	.0	.0	7.5	7.7	8.6	8.8	7.0	5.7			
NW	3.4	2.7	.2	.0	.0	6.3	6.9	5.3	6.9	6.7	6.3			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	8.7					8.7	.0	8.7	12.8	8.9	4.8			
TOT OBS	3695	4087	494	21	3	8500	7.9	2094	2065	2022	2319			
TOT PCT	45.6	48.1	5.8	.2	.0	100.0		100.0	100.0	100.0	100.0			

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1893-1979

AUGUST

APEA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	8.7	11.8	56.8	22.0	.6	.1	.0	7.7	100.0	2094	
0600	12.8	12.6	56.3	16.5	1.3	.0	.0	6.9	100.0	2065	
1200	8.9	10.4	55.7	23.5	1.4	.1	.0	8.1	100.0	2022	
1800	4.8	10.5	55.4	27.2	2.0	.0	.0	8.8	100.0	2319	
TOT	738	961	4774	1908	112	.6	.1	7.9		8500	
PCT	8.7	11.3	56.2	22.4	1.3	.1	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	1.7	2.2	1.4	5.0	5.0
NE	2.3	3.5	5.8	2.8	5.0	5.0
E	5.3	6.5	12.1	5.7	5.0	5.0
SE	2.0	2.7	6.5	3.3	5.4	5.4
S	.7	1.1	2.6	1.6	5.0	5.0
SW	.5	1.0	2.5	2.0	5.9	5.9
W	1.0	1.4	2.0	2.1	5.5	5.5
NW	1.0	1.4	2.4	1.1	5.0	5.0
VAR	.0	.0	.0	.0	.0	.0
CALM	2.5	2.1	3.2	1.2	4.3	4.3
TOT OBS	1096	1417	2711	1415	6639	5.1
TOT PCT	16.5	21.3	40.8	21.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. NH > 300)
AND OCCURRENCE OF NH < 500 BY WIND DIRECTION

	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH < 500 ANY HGT	TOTAL OBS
N	.0	.0	.2	.5	.7	.3	.1	.0	.0	.0	.0	5.0
NE	.1	.0	.2	1.1	1.3	.6	.3	.1	.1	.1	.1	10.3
E	.2	.1	.4	2.5	3.2	1.6	.5	.1	.1	.1	.1	20.7
SE	.1	.1	.4	1.3	1.9	.6	.3	.2	.1	.0	.0	9.7
S	.1	.0	.1	.6	.8	.3	.1	.1	.0	.0	.0	3.8
SW	.0	.0	.3	.8	.9	.3	.2	.0	.0	.0	.0	3.5
W	.1	.1	.2	.9	1.1	.5	.1	.0	.0	.0	.0	4.5
NW	.0	.0	.1	.5	.7	.3	.2	.0	.0	.0	.0	4.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.1	.5	.8	.3	.2	.0	.0	.0	.0	6.7
TOT OBS	51	24	136	580	750	325	127	42	31	18	4555	6639
TOT PCT	.8	.4	2.0	8.7	11.3	4.9	1.9	.6	.5	.3	68.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 300) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.6	.7	.7	.7	.7	.7	.7	.7
≥ OR >5000	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ OR >3500	2.9	3.2	3.2	3.3	3.3	3.3	3.3	3.3
≥ OR >2000	7.1	8.0	8.0	8.1	8.1	8.1	8.1	8.1
≥ OR >1000	16.9	19.0	19.2	19.3	19.4	19.4	19.4	19.4
≥ OR >600	23.4	27.2	27.8	28.0	28.1	28.1	28.1	28.1
≥ OR >300	24.6	29.0	29.7	29.9	30.1	30.1	30.1	30.1
≥ OR >150	24.8	29.3	30.0	30.3	30.4	30.4	30.5	30.5
≥ OR >0	25.0	29.8	30.7	30.9	31.1	31.2	31.2	31.2
TOTAL	1728	2035	2092	2111	2122	2126	2130	2130

TOTAL NUMBER OF OBS: 6823

PCT FREQ NH < 500: 68.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	8.9	15.8	17.8	15.1	10.9	7.7	7.9	6.4	9.0	.4	7195

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1953-1979

AUGUST

AREA 0009 GUATEMALA SW COAST
11.0N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	*	*	*	*	.1	
	NO PCP	.0	.2	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT 3	*	*	*	*	*	*	*	*	*	.0	.2	
1/2<1	PCP	*	*	.1	*	.0	*	*	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 3	*	*	.1	*	.0	*	*	.0	.0	.0	.1	
1<2	PCP	*	*	.1	*	.0	*	*	.0	.0	.0	.2	
	NO PCP	*	.0	*	*	.0	*	*	.0	.0	.0	.1	
	TOT 3	*	*	.1	.1	.0	*	*	.0	.0	.0	.3	
2<5	PCP	*	.1	.1	.1	.1	.1	*	.0	*	*	.7	
	NO PCP	*	.1	.1	.1	*	*	*	.0	*	*	.4	
	TOT 3	*	.2	.2	.2	.1	.1	.1	.0	.1	.1	1.0	
5<10	PCP	.2	.5	.6	.9	.2	.3	.2	.1	.0	.1	2.5	
	NO PCP	.3	.4	1.5	.9	.4	.6	.6	.6	.0	.5	6.3	
	TOT 3	.5	1.3	2.1	1.3	.6	.8	.7	.0	.5	.6	8.7	
10+	PCP	.1	.4	.8	.4	.3	.3	.3	.2	.0	.1	2.7	
	NO PCP	6.5	12.2	25.7	12.5	4.0	5.2	6.3	5.1	.0	7.9	86.9	
	TOT 3	6.6	13.2	26.4	12.8	5.3	5.4	6.5	5.4	.0	8.0	89.7	
TOT OBS													8000
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
	4-10	*	*	*	*	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT 3	*	*	*	.1	*	*	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	*	*	.0	.0	*	.0	.0	.0	*	
	22+	.0	*	*	.0	.0	*	*	.0	.0	.0	*	
	TOT 3	*	*	.1	*	.0	*	*	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	.1	*	*	*	.0	.0	.0	.0	.2	
	11-21	*	*	*	*	.0	*	*	.0	.0	.0	.1	
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT 3	*	.1	.1	.1	*	*	*	.1	.0	.0	.4	
2<5	0-3	.0	*	*	*	.0	*	*	.0	.0	.1	.1	
	4-10	*	.1	.1	.1	.1	.1	.1	*	.0	.0	.5	
	11-21	.0	*	.1	.1	*	*	*	*	.0	.0	.4	
	22+	.0	*	*	*	*	*	*	*	.0	.0	.1	
	TOT 3	*	.2	.3	.2	.1	.1	.1	.1	.0	.1	1.2	
5<10	0-3	.1	*	.1	.1	.1	*	.1	.1	.0	.5	1.2	
	4-10	.3	.7	.9	.6	.3	.4	.4	.4	.0	.0	4.0	
	11-21	.1	.5	.9	.5	.2	.3	.3	.1	.0	.0	3.0	
	22+	*	.1	.1	.1	*	*	*	*	.0	.0	.4	
	TOT 3	.5	1.3	2.1	1.3	.6	.8	.7	.0	.5	.5	8.6	
10+	0-3	1.4	1.5	2.4	1.6	.9	.6	1.1	1.0	.0	5.1	18.6	
	4-10	4.6	6.8	14.7	7.5	3.6	3.6	4.3	4.1	.0	51.1	81.1	
	11-21	.9	2.9	8.5	3.5	.8	1.1	1.1	.4	.0	18.9	30.9	
	22+	*	.1	.5	.1	*	.1	*	*	.0	.0	.8	
	TOT 3	6.6	13.2	26.1	12.7	5.3	5.3	6.5	5.5	.0	6.1	89.4	
TOT OBS													8255
TOT PCT													100.0

AUGUST

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1893-1979AREA 0009 GUATEMALA SW COAST
11.84 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/8) AND
OCCURRENCE OF AM 5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	TOTAL	AM 5/8 ANY HGT	TOTAL OBS
0000	.4	.3	1.4	5.9	7.9	4.3	2.0	.6	.5	.2	23.5	76.5	1875					
0600	.5	.3	1.0	7.1	9.7	3.5	1.6	.3	.4	.5	25.6	74.4	1587					
1200	.9	.5	3.4	11.5	13.1	5.1	1.6	.6	.1	.2	37.0	63.0	1711					
1800	.7	.4	2.1	9.2	13.0	5.4	2.3	.8	.7	.2	34.7	65.3	1898					
TOT	52	25	139	593	773	332	133	42	31	19	2139	4932	7071					
PCT	.7	.4	2.0	8.4	10.9	4.7	1.9	.6	.4	.3	30.3	69.7	100.0					

TABLE 11

PERCENT FREQUENCY VS BY (NM) PT HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.1	.2	.2	.8	5.2	93.4	2119
0600	.1	.1	.3	.9	9.6	88.9	2067
1200	.1	.2	.5	1.9	12.2	85.0	2041
1800	.3	.1	.5	1.3	7.7	90.1	2262
TOT	16	14	34	105	733	7607	8509
PCT	.2	.2	.4	1.2	8.6	89.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS BY (NM) AND/OR
CEILING HGT (FEET, AM 24/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ 4405+	AM 5/8 AND 5+	TOTAL OBS
0000	.4	2.3	8.7	15.9	75.4	1803
0600	1.0	2.4	10.2	16.7	73.1	1523
1200	.9	5.0	18.2	20.4	61.3	1653
1800	.7	3.4	13.2	22.5	64.3	1844
TOT	51	223	756	1294	4673	6823
PCT	.7	3.3	12.5	19.0	68.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
90/94	.0	.0	.0	.2	.8	.4	.1	.0	106	1.6
85/89	.0	.0	.0	.2	3.2	9.7	2.3	.6	1088	16.0
80/84	.0	.0	.0	.1	2.7	24.2	35.0	6.1	4311	67.5
75/79	.0	.0	.0	.0	.8	6.7	9.8	.9	955	14.3
70/74	.0	.0	.0	.0	.0	.0	.1	.5	38	.6
TOTAL	0	0	3	33	410	2348	2953	934	6681	100.0
PCT	.0	.0	.0	.5	6.1	35.1	44.2	14.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.3	.4	.1	.1	.0	.2	.2	.0	.1
85/89	1.3	2.5	5.5	2.2	.7	.4	.8	.9	.0	1.7
80/84	4.8	9.7	19.8	10.2	3.9	4.2	4.6	4.1	.0	6.2
75/79	.7	1.7	3.4	2.0	1.2	1.8	1.8	.7	.0	.9
70/74	.0	.1	.1	.0	.0	.1	.1	.0	.0	.0
TOTAL	7.1	14.4	29.3	14.5	9	6.5	7.4	5.8	.0	9.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	95	90	87	83	78	76	71	82.8	2142
0600	91	86	84	82	78	75	69	81.3	2142
1200	93	86	84	81	76	74	72	80.6	2067
1800	95	92	89	84	78	75	70	83.7	2338
TOT	95	90	87	82	77	75	69	82.1	8689

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	.5	8.0	42.9	40.7	7.9	79	1770		
0600	.0	.7	2.5	29.7	51.3	16.5	83	1677		
1200	.0	.1	1.2	21.5	54.5	22.7	84	1674		
1800	.0	1.4	12.1	45.6	31.7	9.1	78	1786		
TOT	0	36	419	2432	3061	959	81	6907		

PERIOD: (PDIMACY) 1953-1975
(COVER-ALL) 1493-1979

AUGUST

AREA 0009 GUATEMALA SW COAST
11.84 91.04

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	77 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	14	.0	.2
9/10	.0	.0	.0	.0	.1	.2	.1	27	.0	.4
7/8	.0	.0	.0	.1	.4	.5	.1	82	.0	1.1
6	.0	.0	.0	.2	.4	.3	.0	65	.0	.9
5	.0	.0	.1	.4	.8	.5	.0	122	.0	1.6
4	.0	.0	.1	.7	1.6	.3	.0	199	.0	2.7
3	.0	.0	.1	1.1	1.6	.3	.0	229	.0	3.1
2	.0	.0	.4	3.3	2.3	.1	.0	464	.0	6.2
1	.0	.0	.5	4.6	2.4	.0	.0	560	.0	7.5
0	.0	.1	1.2	9.9	2.2	.1	.0	1000	.0	13.4
-1	.0	.1	1.9	8.8	1.3	.0	.0	910	.0	12.2
-2	.0	.1	3.9	10.8	.4	.0	.0	1158	.0	15.5
-3	.0	.1	3.4	6.4	.4	.0	.0	775	.0	10.4
-4	.0	.2	3.9	4.4	.2	.0	.0	686	.0	9.2
-5	.0	.2	3.5	3.1	.2	.0	.0	517	.0	6.9
-6	.0	.3	2.1	1.2	.1	.0	.0	270	.0	3.6
-7/-8	.0	.8	2.1	.6	.0	.0	.0	263	.0	3.5
-9/-10	.0	.5	.4	.2	.0	.0	.0	86	.0	1.2
-11/-13	.1	.2	.1	.1	.0	.0	.0	31	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
TOTAL	8	164	4210	170	7467	100.0	.1	99.9		
PCT	.1	2.4	23.6	56.4	14.8	2.3	.2			

PERIOD: (COVER-ALL) 1943-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	1.4	.7	1.8	.2	.0	.0	.0	2.6
1-2	.2	2.4	.0	.0	.0	.0	2.6	.4	5.2	.9	.0	.0	.0	6.4
3-4	.0	.7	.3	.0	.0	.0	1.0	.0	2.7	1.8	.1	.0	.0	4.5
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.5	1.0	.1	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	.4	.0	.0	.0	5.2	1.1	10.2	4.1	.1	.0	.0	15.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.9	.2	.0	.0	.0	3.2	.6	1.1	.0	.0	.0	.0	1.7
1-2	.4	8.0	1.4	.0	.0	.0	10.6	.3	5.2	1.1	.0	.0	.0	6.6
3-4	.2	4.7	4.2	.2	.0	.0	9.3	.2	3.0	2.2	.1	.0	.0	5.5
5-6	.0	1.2	3.4	.1	.1	.0	4.7	.0	.9	1.5	.1	.0	.0	2.5
7	.0	.1	1.4	.1	.0	.0	1.2	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	16.0	19.9	.4	.1	.0	29.5	1.1	10.3	5.1	.2	.0	.0	16.7

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 0009 GUATEMALA SW COAST
11.8N 91.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.1	.0	.0	.0	.9	.1	1.2	.0	.0	.0	.0	1.3
1-2	.4	1.4	.4	.0	.0	.0	2.4	.3	2.6	.2	.0	.0	.0	3.2
3-4	.0	1.0	.5	.0	.0	.0	1.5	.0	1.0	.4	.0	.0	.0	1.4
5-6	.0	.5	.3	.0	.0	.0	.8	.0	.3	.3	.1	.0	.0	.7
7	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.0	1.3	.0	.0	.0	5.8	.4	5.4	.9	.1	.0	.0	6.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	.9	.0	.0	.0	.0	1.4	.5	.8	.0	.0	.0	.0	1.4	
1-2	.4	2.9	.3	.0	.0	.0	3.6	.3	2.5	.1	.0	.0	.0	3.0	
3-4	.0	1.1	.6	.0	.0	.0	1.7	.0	.7	.1	.0	.0	.0	.8	
5-6	.0	.2	.1	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.1	
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	5.2	1.2	.0	.0	.0	7.4	.8	4.1	.4	.0	.0	.0	5.3	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	13.2	9.3	.4	.0	.0	.0	22.9	085
1-2	3.9	29.9	4.7	.0	.0	.0	38.6	
3-4	.4	14.5	9.4	.4	.0	.0	25.2	
5-6	.1	3.7	6.5	.3	.1	.0	10.4	
7	.0	.3	1.8	.2	.0	.0	2.2	
8-9	.0	.2	.3	.0	.0	.0	.5	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.6	57.8	23.5	.9	.1	.0	100.0	1964

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	14.0	17.0	8.0	2.3	.7	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2912	3
6-7	.2	2.1	8.8	7.9	3.3	1.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1488	5
8-9	.0	.6	2.8	3.3	2.2	.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	634	5
10-11	.0	.4	.9	1.2	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	222	5
12-13	.0	.0	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	5
13	.0	.0	.0	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	7
INDET	6.1	11.2	2.3	1.6	.6	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	750	2
TOTAL	694	1127	1994	1412	576	203	92	16	26	4	4	1	0	0	0	0	0	0	0	6151	4
PCT	11.3	18.3	32.4	22.9	9.4	3.3	1.5	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1976
(COVER-ALL) 1984-1976

SEPTEMBER

AREA: 0009 GUATEMALA SW COAST
11-04 91-04

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIA SHWR	DRZL	FRZG FCPN	SNOW FCPN	OTHER FCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THOR LINC	FOG NO	FOG NO PCPN	SMOKE	HAZE	SPRAY	NO SIG
N	3.3	1.9	1.5	.0	.0	.0	.0	6.7	4.4	6.4	.3	.0	.6	.0	.0	82.4
NE	5.1	2.4	1.4	.0	.0	.0	.0	8.9	3.2	5.2	.1	.0	.7	.0	.0	82.5
E	3.7	2.7	1.3	.0	.0	.0	.0	7.6	5.2	6.1	.0	.0	.3	.0	.0	81.2
SE	4.3	1.7	.8	.0	.0	.0	.0	6.6	3.9	6.9	.2	.0	.2	.0	.0	82.7
S	3.9	3.4	.8	.0	.0	.0	.0	7.9	5.4	5.3	.0	.0	.4	.0	.0	80.7
SW	7.4	4.4	1.6	.0	.0	.0	.0	13.2	5.7	4.0	.1	.0	.3	.0	.0	77.0
W	5.3	3.6	2.6	.0	.0	.0	.0	11.5	5.8	3.5	.1	.0	.2	.1	.0	79.0
NW	4.2	2.6	2.1	.0	.0	.0	.0	9.1	4.3	5.3	.0	.0	.4	.0	.0	81.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	1.3	.4	.0	.0	.0	.0	2.6	.4	8.2	.1	.0	1.1	.0	.0	87.5
TOT PCT	4.4	2.8	1.5	.0	.0	.0	.0	6.6	4.5	5.5	.1	.0	.4	.0	.0	81.2
TOT OBS:	7635															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIA SHWR	DRZL	FRZG FCPN	SNOW FCPN	OTHER FCPN	HAIR	PCPN AT OR TIME	PCPN PAST HOUR	THOR LINC	FOG NO	FOG NO PCPN	SMOKE	HAZE	SPRAY	NO SIG
0000	2.5	2.2	.6	.0	.0	.0	.0	5.4	3.2	1.3	.1	.0	.3	.0	.0	89.8
0600	3.6	2.4	.7	.0	.0	.0	.0	6.6	3.5	15.8	.1	.0	.4	.0	.0	74.2
1200	7.7	3.5	2.6	.0	.0	.0	.0	14.2	6.1	5.1	.2	.0	.5	.0	.0	74.4
1800	3.8	2.7	1.6	.0	.0	.0	.0	8.1	5.1	1.0	.1	.0	.4	.0	.0	85.6
TOT PCT	4.4	2.8	1.4	.0	.0	.0	.0	6.5	4.5	5.6	.1	.0	.4	.0	.0	81.3
TOT OBS:	8029															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.6	4.1	.8	.1	.0	.0	6.5	6.6	4.4	9.0	5.3	2.2	9.4	8.3	6.3	10.5
NE	1.3	6.2	1.7	.1	.0	.0	9.2	8.0	5.7	6.5	5.8	8.3	12.8	10.8	12.3	9.4
E	2.0	11.4	4.7	.3	.0	.0	18.4	8.9	17.7	11.4	13.8	13.4	14.8	14.6	23.9	15.3
SE	1.3	7.0	2.1	.1	.0	.0	10.5	8.1	15.2	13.2	12.4	7.3	7.4	9.1	8.9	7.5
S	1.2	5.2	1.4	.2	.0	.0	7.9	8.0	9.6	6.9	8.9	7.6	6.1	6.7	7.2	9.1
SW	1.2	6.1	4.3	.5	.0	.0	12.2	10.3	13.3	14.7	12.5	13.8	10.7	11.7	11.7	13.8
W	1.4	9.4	5.2	.4	.0	.0	16.8	9.4	18.1	15.4	17.9	17.2	16.4	13.1	15.3	15.3
NW	1.4	5.6	1.7	.1	.0	.0	8.9	7.9	7.7	9.9	9.8	11.4	8.4	14.9	8.0	10.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7	.0	.0	.0	.0	.0	9.7	.0	9.7	13.4	13.7	13.8	9.0	8.7	6.4	9.1
TOT OBS	1796	4607	1842	143	6	0	9394	7.8	1431	134	144.7	174	1759	241	2122	186
TOT PCT	21.4	54.9	21.9	1.7	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	00 03				06 09	12 15	18 21	
N	3.3	2.4	.2	.0	.0	.0	8.5	6.6	4.7	5.4	9.2	6.7	
NE	4.3	4.5	.3	.0	.0	.0	9.2	8.0	5.8	6.0	12.6	12.1	
E	7.2	10.2	1.1	.1	.0	.0	18.4	8.9	17.3	13.8	14.5	23.2	
SE	4.6	5.4	.4	.0	.0	.0	10.5	8.1	13.7	12.0	7.6	8.8	
S	4.0	3.4	.5	.0	.0	.0	7.9	8.0	9.4	8.8	6.2	7.4	
SW	3.9	6.6	1.6	.1	.0	.0	12.2	10.3	13.4	12.6	10.9	11.9	
W	8.0	9.3	1.5	.1	.0	.0	16.8	9.4	18.0	17.8	16.5	15.3	
NW	4.4	4.0	.4	.0	.0	.0	8.9	7.9	7.8	9.9	9.7	8.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	9.7	.0	.0	.0	.0	.0	9.7	.0	9.9	13.7	9.0	6.4	
TOT OBS	4017	3833	510	33	1	8394	7.8		2045	2021	2000	2308	
TOT PCT	47.9	45.7	6.1	.4	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1884-1979

SEPTEMBER

AREA 0009 GUATEMALA SW COAST
11.94 91.04

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			40+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000Z	9.9	12.9	56.4	19.1	1.6	0	<0	7.5	100.0	2065
0600Z	13.7	12.0	53.5	19.4	1.3	0	<0	7.2	100.0	2021
1200Z	9.0	11.0	54.6	22.5	2.1	0	<0	8.1	100.0	2000
1800Z	6.6	10.4	54.9	26.2	1.9	0	<0	6.4	100.0	2104
TOT	81.4	90.2	400.7	180.2	14.3	6	0	7.8		8394
PCT	9.7	11.7	50.9	21.9	1.7	0	<0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	0.0	1.3	2.4	1.5	5.5	
NE	1.1	1.4	4.3	2.5	5.4	
E	2.0	3.6	9.4	4.7	5.6	
SE	1.4	1.8	4.6	2.3	5.4	
S	0.0	1.4	3.6	2.7	5.7	
SW	0.0	1.8	4.9	4.6	6.2	
W	1.5	3.0	7.5	5.5	5.9	
NW	1.1	1.4	3.0	2.2	5.4	
VAR	0.0	0.0	0.0	0.0	0.0	
CALM	2.5	2.5	3.2	1.2	4.2	
TOT OBS	765	1170	2759	1711	6416	5.6
TOT PCT	11.9	18.3	43.3	26.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/M) AND OCCURRENCE OF AM (S/P) BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	AM (S/P)	TOTAL
149	299	599	1199	2399	4799	9599	19199	38399	76799	ANY HGT	OBS
0.1	0	0.2	0.5	0.8	0.4	0.1	0	0	0	0.2	
0.1	0	0.3	1.0	1.4	0.4	0.2	0	0	0	0.1	
0.1	0.1	0.5	1.0	2.6	1.1	0.3	0.1	0	0	12.1	
0.1	0.1	0.4	1.0	1.4	0.5	0.2	0.1	0	0	6.4	
0.1	0.1	0.2	1.1	1.1	0.6	0.7	0.1	0.1	0	4.6	
0.2	0.1	0.6	1.4	2.2	0.5	0.3	0	0.1	0	4.2	
0.3	0.1	0.6	2.3	1.0	0.9	0.3	0.1	0	0	9.9	
0	0	0.2	1.1	1.1	0.7	0.1	0.1	0	0	5.4	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0	0	0	0.4	0.7	0.2	0	0	0	0	7.8	
65	26	102	707	920	313	120	25	10	4024	6416	
1.0	0.4	2.4	11.0	14.3	4.9	1.9	0.4	0.3	0.2	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (FT/M) AND WSBY (KMP)

CEILING (FEET)	WSBY (KMP)							
	≥ 0P	≥ 1R	≥ 2R	≥ 3R	≥ 4R	≥ 5R	≥ 6R	≥ 7R
≥ 0P	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
≥ 1R	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
≥ 2R	2.3	2.6	2.7	2.7	2.7	2.7	2.7	2.7
≥ 3R	6.5	7.3	7.4	7.5	7.5	7.5	7.5	7.5
≥ 4R	16.2	21.0	21.6	21.7	21.7	21.7	21.7	21.7
≥ 5R	25.6	31.1	32.2	32.4	32.5	32.5	32.6	32.6
≥ 6R	27.5	33.5	34.9	35.2	35.3	35.3	35.4	35.4
≥ 7R	27.7	33.9	35.2	35.6	35.7	35.7	35.8	35.8
≥ 0P	26.0	34.5	36.0	36.4	36.4	36.7	36.8	36.8
TOTAL	1830	2265	2365	2394	2406	2404	2410	2416

TOTAL NUMBER OF OBS: 6568

PCT FREQ AM (S/P): 63.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

C	1	2	3	4	5	6	7	8	OPSCC	TOTAL OBS
4.4	11.2	17.7	17.1	12.2	9.4	8.6	6.4	11.5	0.7	6965

PERIOD: (PRIMARY) 1951-1976
(COVER-ALL) 1964-1979

SEPTEMBER

AREA CODE: GUATEMALA SW COAST
11.9N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
10<	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 2	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													7407
TOT PCT		6.4	6.1	10.7	10.6	8.0	12.1	17.1	5.8	0	0	0	100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SFC KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10<	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													8173
TOT PCT		6.4	6.1	10.7	10.6	8.0	12.1	17.1	5.8	0	0	0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1980-1979

REF HQD GUATEMALA SW COAST
11.5N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND
OCCURRENCE OF AM 45/8 BY HOUR

HOUR (GMT)	000 1-6	150 2-6	300 3-6	450 4-6	600 5-6	750 6-6	900 7-6	1050 8-6	1200 9-6	1350 10-6	1500 11-6	1650 12-6	1800 13-6	TOTAL OBS	AM 45/8 ANY HGT	TOTAL OBS
0000Z	.4	.2	2.1	4.3	12.0	4.6	1.5	.5	.7	.2	30.4	69.6	1919			
0600Z	1.5	.3	2.4	9.3	12.5	4.0	1.5	.2	.5	.1	12.1	67.9	1535			
1201Z	1.3	.4	4.4	11.7	15.4	4.9	2.2	.3	.3	.7	43.1	56.9	1641			
1802Z	.7	.5	2.0	10.9	15.2	5.1	2.0	.4	.3	.1	37.3	62.7	1632			
TOT	69	27	145	716	937	319	124	21	20	10	2432	4335	6607			
PCT	1.0	.4	2.7	10.5	13.8	4.7	1.8	.4	.3	.1	35.7	64.3	100.0			

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2 1-2	1/2-1 2-2	1-2 2-2	2-5 3-2	5-10 4-2	10+ 5-2	TOTAL OBS
0000Z	.2	.2	.2	1.4	7.4	40.3	2072
0600Z	.2	.4	.5	1.8	10.6	86.7	2010
1201Z	.4	.3	1.2	2.6	14.9	80.3	2015
1802Z	.4	.1	.4	2.5	9.5	86.9	2275
TOT	28	15	53	182	886	7209	6373
PCT	.3	.2	.6	2.2	10.6	86.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET) AM 45/8 BY HOUR

HOUR (GMT)	<150 4500	<600 41	<1000 45	<1000+ AND 5+	AM 45/8 AND 5+	TOTAL OBS
0000Z	.4	3.5	12.4	18.4	66.7	1755
0600Z	1.4	4.3	14.8	19.2	64.0	1436
1201Z	1.4	6.4	21.6	27.5	55.9	1631
1802Z	.7	3.5	15.6	23.1	61.3	1766
TOT	69	240	1054	1374	4136	9509
PCT	1.1	4.4	16.0	21.0	63.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29 0-29	30-39 30-39	40-49 40-49	50-59 50-59	60-69 60-69	70-79 70-79	80-89 80-89	90-100 90-100	TOTAL OBS	PCT FREQ
95/94	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
92/94	.0	.0	.0	.0	.3	.2	.0	.0	39	.6
85/89	.0	.0	.0	.1	2.2	7.8	1.7	.4	708	12.2
82/84	.0	.0	.0	.1	1.6	21.4	75.2	5.5	4289	65.8
75/79	.0	.0	.0	.0	.0	1.1	9.2	10.2	1340	20.5
70/74	.0	.0	.0	.0	.0	.0	.1	.6	43	.7
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	1	12	273	2133	1014	1098	6521	100.0
PCT	.0	.0	.0	.2	4.2	32.7	16.7	16.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
92/94	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0
85/89	1.0	1.5	2.9	1.2	.6	.9	1.5	1.1	.0	1.5
82/84	4.1	6.1	15.9	7.6	5.1	9.8	10.1	5.9	.0	8.8
75/79	1.1	1.4	2.4	1.4	1.4	4.0	5.1	1.8	.0	1.1
70/74	.0	.1	.1	.0	.0	.1	.2	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.2	9.1	14.6	10.3	7.0	12.0	17.6	8.8	.0	9.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	90%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	96	84	86	67	78	75	73	82.0	2103
0600Z	91	85	84	81	77	75	69	80.8	2066
1201Z	89	85	83	80	76	74	72	80.1	2035
1802Z	95	90	88	83	77	71	73	82.1	2332
TOT	96	89	86	82	77	75	69	81.6	4536

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29 0-29	30-39 30-39	40-49 40-49	50-59 50-59	60-69 60-69	70-79 70-79	80-89 80-89	90-100 90-100	MEAN	TOTAL OBS
0000Z	.0	.2	4.6	39.2	43.5	12.4	81	1744		
0600Z	.0	.1	1.4	24.7	55.8	18.1	84	1622		
1201Z	.0	.1	.4	20.4	53.5	25.1	85	1613		
1802Z	.0	.4	9.5	45.7	33.4	11.1	79	1712		
TOT	0	13	281	2145	3097	1125	82	6491		

SEPTEMBER

PERIOD: (PRIMARY) 1951-1976
(OVER-ALL) 1980-1979

TABLE 17

APCA 0200 GUATEMALA SB COAST
11.9N 91.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	73 74	77 80	81 84	85 88	89 92	>92	TOT	A °C	FOG
11/13	.0	.0	.0	.0	.	.	.	4	.0	.1
6/10	.0	.0	.0	.1	.1	.1	.	23	.0	.3
7/8	.0	.0	.0	.2	.2	.2	.0	45	.0	.6
6	.0	.0	.	.2	.4	.2	.0	56	.0	.8
5	.0	.0	.1	.4	.7	.3	.	107	.0	1.5
4	.0	.0	.1	.9	1.3	.3	.0	170	.	2.3
3	.0	.	.2	.7	1.5	.1	.0	246	.0	2.6
2	.0	.	.4	2.6	2.0	.1	.0	376	.0	5.2
1	.0	.	.4	3.3	1.8	.	.0	416	.	5.7
0	.0	.	1.8	8.0	1.7	.0	.0	902	.	12.4
-1	.0	.1	2.3	6.6	.9	.0	.0	666	.	11.9
-2	.0	.1	4.2	10.7	.5	.0	.0	1123	.	15.5
-3	.0	.2	4.9	7.0	.3	.0	.0	900	.	12.4
-4	.0	.1	5.1	5.5	.1	.	.0	747	.0	11.0
-5	.0	.2	4.8	2.6	.	.	.0	532	.	7.3
-6	.0	.5	2.9	1.0	.	.	.0	321	.	4.4
-7/-8	.0	1.0	2.5	.4	.	.0	.0	298	.0	4.1
-9/-10	.	.6	.6	.	.0	.0	.0	91	.0	1.3
-11/-13	.	.2	.1	.	.0	.0	.0	26	.0	.4
-14/-16	.0	.	.	.	.0	.0	.0	6	.0	.1
TOTAL	3	252	720	3444	89	6		7252	10	7242
PCT	0	3.6	10.4	53.2	11.5	1.2	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	1.4	.0	1.0	.0	.0	.0	.0	2.1
1-2	.0	2.2	.2	.0	.0	.0	2.7	.0	3.0	.0	.0	.0	.0	4.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.4	.8	.	.0	.0	5.2	1.0	6.3	2.1	.1	.0	.0	9.4

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.5	.2	.0	.0	.0	2.7	.0	1.4	.0	.0	.0	.0	1.8
1-2	.0	5.6	1.1	.0	.0	.0	7.5	.0	3.3	.0	.0	.0	.0	4.0
3-4	.0	2.2	7.6	.1	.0	.0	9.9	.0	1.1	1.7	.0	.0	.0	2.3
5-6	.0	.4	1.4	.1	.0	.0	2.2	.0	.3	.0	.0	.0	.0	.7
7	.0	.2	.1	.0	.0	.0	.6	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	10.5	5.5	.3	.0	.0	17.0	.7	6.1	2.3	.1	.0	.0	9.3

PERIOD: (OVER-ALL) 1963-1970

SEPTEMBER

ARFA 0009 GUATEMALA SW COAST
11.9N 91.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.6	.4	1.0	.1	.0	.0	.0	1.5
1-2	.3	2.1	.1	.0	.0	.0	2.7	.3	3.0	.7	.0	.0	.0	4.0
3-4	.1	1.5	1.0	.0	.0	.0	2.5	.2	1.7	1.3	.0	.0	.0	3.2
5-6	.1	.2	.4	.0	.0	.0	.7	.0	.4	1.2	.1	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.1	.0	.1	.7	.3	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	5.1	1.7	.0	.0	.0	7.6	.9	6.1	4.3	.5	.0	.0	11.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	1.7	.1	.0	.0	.0	2.9	.7	1.0	.1	.0	.0	.0	1.8	
1-2	.6	5.1	1.7	.0	.0	.0	7.4	.5	2.4	.5	.0	.0	.0	3.4	
3-4	.2	2.7	2.7	.0	.0	.0	5.6	.1	1.1	1.2	.1	.0	.0	2.5	
5-6	.0	.0	1.8	.2	.0	.0	2.7	.0	.3	.6	.1	.0	.0	.9	
7	.0	.1	1.3	.2	.0	.0	1.6	.0	.1	.3	.1	.0	.0	.5	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	10.3	7.9	.5	.0	.0	20.6	1.3	4.9	2.8	.2	.0	.0	9.2	91.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	34.4	10.4	.5	.0	.0	.0	25.2	
1-2	3.6	26.9	5.2	.0	.0	.0	35.7	
3-4	1.1	11.5	11.3	.2	.0	.0	24.1	
5-6	.2	2.7	6.3	.5	.0	.0	9.5	
7	.0	.5	2.7	.9	.0	.0	4.1	
8-9	.0	.0	.5	.1	.0	.0	.6	
10-11	.0	.0	.3	.1	.0	.0	.4	
12	.0	.0	.1	.0	.1	.0	.2	
13-16	.0	.0	.1	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.3	51.9	26.8	1.9	.1	.0	100.0	1773

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.4	13.9	15.4	7.7	2.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2678	3
6-7	.1	1.9	9.0	6.0	3.1	1.2	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1444	5
8-9	.0	1.0	3.4	3.4	2.0	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	663	5
10-11	.0	.6	1.0	1.1	.9	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	252	4
12-13	.0	.0	.6	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	6
>13	.0	.0	.0	.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	7
INDET	6.4	1.5	2.2	1.2	.5	.3	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	730	2
TOTAL	658	1120	1870	1313	578	208	100	43	21	10	2	0	0	0	0	0	0	0	0	5923	4
PCT	11.1	18.9	31.6	22.2	9.8	3.5	1.7	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1972-1979

OCTOBER

AREA 0009 GUATEMALA SW COAST
11-9N 91-0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PAST HR	SNOKE MAZE	SPRAY BLWG DUST SIG
N	2.5	1.4	1.2	.0	.0	.0	.0	4.8	3.1	5.0	.1	.0	.5	.0 86.5
NE	3.5	1.9	1.3	.0	.0	.0	.0	6.5	4.1	4.8	.1	.1	.4	.1 84.2
E	4.9	2.3	1.6	.0	.0	.0	.0	3.5	4.2	3.9	.1	.0	.7	.0 82.9
SE	4.0	2.4	1.1	.0	.0	.0	.0	7.9	4.6	3.0	.0	.0	.5	.0 84.3
S	2.1	2.9	.8	.0	.0	.0	.0	5.8	4.6	4.4	.3	.0	.3	.0 84.8
SW	5.0	3.5	1.7	.0	.0	.0	.0	10.1	5.4	2.7	.5	.0	.4	.1 80.8
W	5.1	2.9	1.8	.0	.0	.0	.0	9.6	5.9	3.4	.6	.0	.3	.0 80.4
NW	2.5	1.1	1.0	.0	.0	.0	.0	4.7	2.2	4.1	.5	.0	.3	.0 88.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
CALM	.4	.7	.5	.0	.0	.0	.0	1.6	1.6	6.5	.2	.0	1.6	.0 86.4
TOT PCT	3.6	2.2	1.3	.0	.0	.0	.0	7.0	4.1	4.1	.3	.0	.5	.0 84.1
TOT OBS:	7720													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHR	ORZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PAST HR	SNOKE MAZE	SPRAY BLWG DUST SIG
00003	2.3	1.7	.9	.0	.0	.0	.0	4.8	3.1	1.3	.2	.1	.5	.1 90.1
06009	2.4	1.4	.7	.0	.0	.0	.0	4.5	3.1	11.1	.5	.0	.6	.0 80.2
12015	6.0	3.3	2.3	.0	.0	.0	.0	11.4	5.6	4.8	.4	.0	.6	.1 77.7
18021	3.4	2.5	1.2	.0	.0	.0	.0	7.1	4.5	.3	.2	.0	.4	.0 17.5
TOT PCT	3.5	2.3	1.3	.0	.0	.0	.0	6.9	4.1	4.3	.3	.0	.5	.0 84.0
TOT OBS:	7989													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	1.8	5.8	1.0	.0	.0	.0		8.7	6.8	5.8	3.3	7.9	7.1	12.4	6.8	9.5	7.9
NE	1.5	6.3	2.3	.1	.0	.0		10.2	8.3	7.2	5.1	7.7	11.5	13.5	13.0	12.4	9.4
E	1.8	8.1	3.9	.2	.0	.0		14.0	9.1	14.6	9.1	10.0	6.7	14.4	11.2	18.0	11.1
SE	1.2	5.6	1.6	.1	.0	.0		8.4	8.0	11.1	13.0	8.2	7.1	6.6	4.9	7.8	11.2
S	1.3	4.9	1.5	.2	.0	.0		7.9	8.2	9.4	7.5	8.2	10.7	6.4	10.2	7.2	7.4
SW	1.0	7.1	4.0	.5	.0	.0		12.7	10.1	15.2	15.5	11.6	18.6	10.1	17.8	12.0	15.2
W	1.9	9.9	5.1	.3	.0	.0		17.2	9.2	18.6	21.5	19.3	18.4	15.4	19.5	15.2	14.9
NW	1.7	6.7	1.8	.0	.0	.0		10.2	7.3	8.4	11.1	10.2	7.7	12.0	10.8	9.7	16.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.7							10.7	.0	9.7	13.9	16.8	12.3	9.2	5.8	8.1	6.6
TOT OBS	1874	4452	1735	124	11	0		2205	7.6	1853	137	1844	143	1735	206	2084	183
TOT PCT	22.4	54.4	21.1	1.5	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40	41+						00	03	06	09	12	15	18
N	4.9	3.6	.2	.0	.0			8.7	6.8	5.8	7.9	11.8	9.4				
NE	4.4	5.1	.7	.0	.0			10.2	8.3	7.1	8.0	13.4	12.2				
E	5.3	7.4	1.2	.0	.0			14.0	9.1	14.2	9.8	14.0	17.5				
SE	3.9	4.1	.4	.0	.0			8.4	8.0	11.2	8.1	6.4	8.1				
S	3.6	3.7	.5	.1	.0			7.9	8.2	9.3	6.4	6.8	7.2				
SW	4.1	7.0	1.5	.2	.0			12.7	10.1	15.3	12.2	10.9	12.3				
W	6.5		1.4	.1	.0			17.2	9.2	18.8	19.3	15.9	15.2				
NW	5.4	4.5	.3	.0	.0			10.2	7.3	8.6	10.0	11.9	10.2				
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0				
CALM	10.7							10.7	.0	9.9	16.4	8.9	8.0				
TOT OBS	4009	3665	495	33	2			8205	7.6	1990	2007	1941	2267				
TOT PCT	48.9	44.7	6.0	.4	.0			100.0		100.0	100.0	100.0	100.0				

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1872-1979APER 0009 GUATEMALA SW COAST
11.0N 91.0W

TABLE 5

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			N/A	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-31	34-47				
0000	9.9	11.9	57.0	19.3	1.7	.2	.0	7.6	100.0	1990
0600	16.4	13.9	51.5	16.9	1.1	.1	.0	6.7	100.0	2007
1200	8.9	10.7	55.6	22.8	1.9	.2	.0	8.1	100.0	1941
1800	8.0	12.0	53.6	25.0	1.5	.4	.0	8.1	100.0	2767
TOT	881	993	4461	1735	1.9	.1	.0	7.6		8205
PCT	10.7	12.1	52.4	21.1	1.5	.1	.0		100.0	

TABLE 6

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

W4D DIR	0-2	3-4	5-7	8 & ORSCN	TOTAL OBS	PERCENT CLOUD COVER
N	2.0	2.2	3.4	1.2		4.5
NE	2.1	2.7	4.0	1.6		4.7
E	2.3	3.1	5.9	3.3		5.2
SE	1.5	1.8	3.6	1.6		5.0
S	.8	1.4	3.3	1.9		5.5
SW	1.0	1.8	5.5	4.0		6.0
W	2.2	3.7	6.9	4.3		5.4
NW	1.9	2.8	3.4	1.8		4.8
VAR	.0	.0	.0	.0		.0
CALM	3.5	3.0	3.2	1.0		3.9
TOT OBS	1118	1473	2529	1332	6452	5.0
TOT PCT	17.3	22.8	39.2	20.4	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >500	= OR >0
= OR >6500	.2	.3	.3	.3	.3	.3	.3	.3
= OR >5000	.6	.8	.8	.8	.8	.8	.8	.8
= OR >3500	2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= OR >2000	6.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5
= OR >1000	15.7	18.5	18.9	19.0	19.0	19.0	19.0	19.0
= OR >600	22.3	27.1	27.8	27.9	27.9	28.0	28.0	28.0
= OR >300	23.5	29.1	30.1	30.3	30.4	30.4	30.4	30.4
= OR >150	23.7	29.4	30.4	30.6	30.7	30.7	30.8	30.8
= OR >0	23.9	29.9	31.0	31.4	31.5	31.5	31.6	31.6
TOTAL	1590	1986	2062	2094	2091	2092	2096	2096

TOTAL NUMBER OF OBS: 6642

PCT FREQ NM C5/P: 68.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
6.5	13.9	19.2	16.6	11.8	8.0	6.0	6.1	9.3	.6	7013

OCTOBER

 PERIOD: (PRIMARY) 1953-1979
 (OVER-ALL) 1872-1979

 AREA 0009 GUATEMALA SW COAST.
 11.9N 91.0W

TABLE 8

 PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
 PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	*	*	*	0.0	0.0	*	*	*	0.0	0.0	0.1	
<1/2	NO PCP	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	
TOT 1	*	*	*	0.0	0.0	*	*	*	0.0	0.0	0.1	
1/2<1	PCP	0.0	*	0.0	0.0	*	*	0.0	0.0	0.0	0.1	
NO PCP	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOT 1	0.0	*	*	0.0	*	*	*	0.0	0.0	0.0	0.1	
1<2	PCP	*	*	0.1	*	*	0.1	*	0.0	*	0.3	
NO PCP	0.0	*	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
TOT 1	*	*	0.1	*	0.0	0.1	0.1	*	0.0	*	0.4	
2<5	PCP	*	*	0.2	0.1	0.1	0.2	0.1	0.0	*	0.6	
NO PCP	*	*	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.6	
TOT 1	*	*	0.2	0.2	0.2	0.3	0.3	0.1	0.0	*	1.4	
5<10	PCP	0.2	0.2	0.5	0.2	0.2	0.5	0.2	0.0	0.1	2.6	
NO PCP	0.6	0.6	1.0	0.6	0.7	1.5	1.4	0.6	0.0	0.5	8.0	
TOT 1	0.8	0.8	1.5	0.8	0.9	1.9	2.4	1.2	0.0	0.5	10.6	
10+	PCP	0.2	0.3	0.5	0.4	0.1	0.6	0.7	0.0	0.1	3.0	
NO PCP	7.7	8.8	11.9	7.0	6.7	9.9	13.8	8.8	0.0	9.9	84.3	
TOT 1	7.6	9.1	12.4	7.4	6.8	10.5	14.5	9.0	0.0	10.0	87.4	
TOT OBS												7693
TOT PCT	6.7	10.1	14.2	8.3	7.9	12.8	17.3	10.2	0.0	10.4	100.0	

TABLE 9

 PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
 WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
1/2<1	0-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	4-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOT 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
1/2<1	0-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	4-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	11-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOT 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
1<2	0-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	4-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
	11-21	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
	22+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOT 1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.5	
2<5	0-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	4-10	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.8	
	11-21	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.7	
	22+	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
TOT 1	0.1	0.1	0.3	0.2	0.2	0.3	0.4	0.2	0.0	0.0	0.0	1.8	
5<10	0-3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.6	1.5	
	4-10	0.5	0.4	0.7	0.4	0.4	0.7	1.1	0.5	0.0	4.8		
	11-21	0.2	0.3	0.5	0.2	0.3	0.6	1.0	0.3	0.0	3.6		
	22+	0.0	0.0	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.6		
TOT 1	0.8	0.8	1.4	0.8	0.9	1.9	2.4	1.0	0.0	0.6	10.5		
10+	0-3	1.7	1.3	1.6	1.0	1.2	0.9	1.7	1.5	0.0	10.1	20.8	
	4-10	5.3	5.8	7.2	5.0	4.4	6.2	8.6	6.0	0.0	48.5		
	11-21	0.6	1.4	3.2	1.3	1.2	3.0	3.9	1.5	0.0	16.7		
	22+	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.0	0.0	0.8		
TOT 1	7.8	9.0	12.1	7.3	6.8	10.3	14.5	8.9	0.0	10.1	86.9		
TOT GSES													7995
TOT PCT		8.7	10.1	14.0	8.4	7.9	12.7	17.3	10.2	0.0	10.7	100.0	

OCTOBER

PERIOD: (PRI-MAY) 1953-1979
(OVER-ALL) 1872-1979AREA 0009 GUATEMALA SW COAST
11.94 91.06

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 34/8) AND
OCCURRENCE OF NM 5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM 5/8 ANY HGT	TOTAL OBS
00003	.5	.2	2.1	8.4	10.3	4.2	1.7	.4	.3	.2	26.3	71.7	1799
06009	.8	.2	1.4	7.4	10.2	5.2	1.9	.4	.1	.1	27.6	72.4	1603
12015	1.0	.5	3.6	10.1	13.2	4.5	1.9	.5	.1	.1	35.4	64.6	1645
18021	.8	.5	2.2	8.8	11.4	4.9	1.7	.5	.3	.1	31.3	68.7	1636
TOT	53	24	160	597	776	323	124	33	12	7	2109	4774	6883
PCT	.6	.3	2.3	8.7	11.3	4.7	1.8	.5	.2	.1	30.6	69.4	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.4	.3	1.6	8.5	89.5	2024
06009	.1	.1	.2	1.9	11.4	86.2	2025
12015	.2	.3	.8	2.4	12.4	83.9	1961
18021	.2	.2	.5	1.4	9.4	88.2	2254
TOT	13	15	38	150	859	7159	8264
PCT	.2	.2	.5	1.6	10.4	87.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM 34/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM 5/8 AND 5+	TOTAL OBS
00003	.5	2.9	12.2	17.3	70.5	1735
06009	.8	2.7	11.3	18.0	70.7	1533
12015	1.0	5.3	17.0	19.6	63.3	1593
18021	.8	3.6	13.1	19.1	67.8	1781
TOT	53	252	889	1229	4524	6842
PCT	.8	3.6	13.4	18.5	68.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP-F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.5	.1	.1	.0	56	.9
85/89	.0	.0	.0	.1	2.3	6.6	1.5	.3	708	10.8
80/84	.0	.0	.0	.2	2.5	23.2	34.5	5.7	4357	66.3
75/79	.0	.0	.0	.0	.0	1.2	9.9	10.2	1404	21.4
70/74	.0	.0	.0	.0	.0	.0	.1	.6	44	.7
TOTAL	0	0	1	29	344	2051	3042	1101	6569	100.0
PCT	.0	.0	.0	.4	5.2	31.2	46.3	16.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	.1	.2	.1	.0	.0	.0	.2	.0	.1
85/89	1.1	1.2	2.1	.9	.7	.8	1.4	1.1	.0	1.6
80/84	6.2	7.2	10.1	5.9	6.7	6.2	10.4	7.1	.0	8.4
75/79	1.2	1.6	2.3	1.4	2.1	5.0	5.2	1.5	.0	1.1
70/74	.0	.0	.2	.0	.1	.1	.1	.0	.0	.0
TOTAL	8.7	10.2	14.7	8.3	7.7	12.2	17.1	10.0	.0	11.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	93	88	86	82	77	75	68	81.6	2035
06009	88	85	84	81	77	75	71	80.6	2073
12015	90	85	83	80	76	74	70	80.1	1988
18021	94	91	88	83	77	75	69	83.1	2303
TOT	94	89	86	81	77	75	68	81.4	4399

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.2	5.7	35.9	46.1	12.2	.1	.1	81	1719
06009	.0	.2	1.7	22.6	55.6	19.8	.8	.1	1687	
12015	.0	.2	1.7	21.5	52.2	24.5	.5	.1	1676	
18021	.0	1.2	11.4	44.4	32.6	10.3	.7	.1	1774	
TOT	0	31	357	2135	3155	1123	82	6401		

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979

OCTOBER

AREA 0009 GUATEMALA SW COAST
11.0N 91.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.0	12	.0	.2
9/10	.0	.0	.0	.0	.0	.0	.0	.0	26	.0	.4
7/8	.0	.0	.0	.0	.0	.0	.0	.0	68	.0	.9
5	.0	.0	.0	.0	.0	.0	.0	.0	49	.0	.7
4	.0	.0	.0	.0	.0	.0	.0	.0	116	.0	1.6
3	.0	.0	.0	.0	.0	.0	.0	.0	182	.0	2.5
2	.0	.0	.0	.0	.0	.0	.0	.0	197	.0	2.7
1	.0	.0	.0	.0	.0	.0	.0	.0	438	.0	6.0
0	.0	.0	.0	.0	.0	.0	.0	.0	495	.0	6.8
-1	.0	.0	.0	.0	.0	.0	.0	.0	931	.1	12.8
-2	.0	.0	.0	.0	.0	.0	.0	.0	989	.1	13.5
-3	.0	.0	.0	.0	.0	.0	.0	.0	1143	.0	15.7
-4	.0	.0	.0	.0	.0	.0	.0	.0	822	.0	11.3
-5	.0	.0	.0	.0	.0	.0	.0	.0	721	.0	9.9
-6	.0	.0	.0	.0	.0	.0	.0	.0	470	.0	6.5
-7/-8	.0	.0	.0	.0	.0	.0	.0	.0	266	.0	3.6
-9/-10	.0	.0	.0	.0	.0	.0	.0	.0	235	.0	3.2
-11/-13	.0	.0	.0	.0	.0	.0	.0	.0	64	.0	.9
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	23	.0	.3
TOTAL	1	9	256	2341	730	6	7252	24	7228		
PCT	.1	3.5	32.3	52.7	10.1	1.2	.1	100.0	.3	99.7	

PERIOD: (OVER-ALL) 1953-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.5	.0	.0	.0	.0	2.7	.7	1.9	.0	.0	.0	.0	2.6
1-2	.6	2.7	.4	.0	.0	.0	3.6	.2	4.1	.6	.0	.0	.0	4.9
3-4	.0	1.2	.3	.0	.0	.0	1.6	.1	1.5	1.4	.0	.0	.0	2.9
5-6	.0	.4	.2	.0	.0	.0	.5	.0	.3	.9	.0	.0	.0	1.2
7	.0	.1	.1	.0	.0	.0	.2	.0	.1	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	5.9	.0	.0	.0	.0	8.6	1.0	7.8	3.0	.1	.0	.0	11.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.9	.1	.0	.0	.0	2.4	.3	1.2	.5	.0	.0	.0	4.0
1-2	.4	4.1	.7	.0	.0	.0	5.3	.2	4.5	.8	.1	.0	.0	2.3
3-4	.1	1.8	1.7	.0	.0	.0	3.6	.0	1.4	.8	.1	.0	.0	1.0
5-6	.1	.6	1.4	.0	.0	.0	2.0	.0	.4	.6	.0	.0	.0	.1
7	.0	.0	.3	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.2	4.4	.1	.0	.0	13.9	.6	5.6	2.0	.1	.1	.0	8.4

PERIOD: (OVER-ALL) 1963-1979

OCTOBER

APFA 0009 GUATEMALA SW COAST
11.94 91.06

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.0	.0	.0	.0	1.6	.4	1.0	.1	.0	.0	.0	1.4
1-2	.5	2.2	.2	.0	.0	.0	3.0	.3	1.9	.7	.0	.0	.0	5.0
3-4	.1	1.4	.6	.0	.0	.0	2.1	.0	1.6	2.1	.1	.0	.0	3.8
5-6	.0	.1	.7	.1	.0	.0	.5	.0	.3	.9	.1	.0	.0	1.4
7	.0	.1	.0	.0	.0	.0	.2	.0	.2	.4	.2	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	4.2	1.1	.1	.0	.0	7.4	.7	7.0	4.5	.6	.1	.0	12.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	1.4	.2	.0	.0	.0	1.9	.7	1.7	.1	.0	.0	.0	2.5	
1-2	.6	5.3	1.2	.0	.0	.0	7.2	.5	2.6	.7	.0	.0	.0	3.7	
3-4	.2	2.6	2.6	.0	.0	.0	5.4	.0	.9	.7	.0	.0	.0	1.6	
5-6	.0	.6	1.8	.0	.0	.0	2.5	.1	.2	.6	.0	.0	.0	.8	
7	.0	.2	.6	.1	.0	.0	.9	.0	.0	.3	.0	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	10.2	6.5	.2	.0	.0	18.0	1.3	5.4	2.4	.0	.0	.0	9.0	90.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OES
<1	15.7	10.5	.4	.0	.0	.0	26.7	
1-2	4.0	27.8	4.6	.0	.0	.0	36.4	
3-4	.7	12.0	6.9	.1	.0	.0	22.7	
5-6	.3	2.7	6.3	.3	.0	.0	9.6	
7	.0	.6	1.9	.6	.0	.0	3.1	
8-9	.0	.0	.3	.1	.0	.0	.5	
10-11	.0	.0	.3	.2	.1	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.9	53.8	23.9	1.3	.1	.0	100.0	1814

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.6	12.8	15.4	7.3	2.2	.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2582	3
6-7	.1	2.2	8.4	9.3	3.7	1.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1534	5
8-9	.1	.8	2.2	3.4	2.3	.9	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	617	6
10-11	.0	.5	1.0	1.1	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	218	5
12-13	.0	.0	.5	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	6
>13	.0	.0	.0	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	8
INDET	7.5	1.3	2.0	1.7	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	798	2
TOTAL	739	1038	1740	1346	601	222	101	30	32	3	3	2	0	0	0	0	0	0	0	5905	4
PCT	12.5	17.6	29.5	23.6	12.2	3.7	1.7	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

GOVERNMENT

PERIOD: (PRIMARY) 1553-1979
(OVER-ALL) 1878-1979

AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT CR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG	
N	.8	.6	.1	.0	.0	.0	.0	1.5	.7	2.9	.1	.0	.2	.0	95.1	
NE	.7	.6	.2	.0	.0	.0	.0	1.4	1.4	1.7	.1	.0	.4	.1	94.7	
E	.8	1.3	.3	.0	.0	.0	.0	2.5	2.2	2.1	.1	.0	.4	.1	92.6	
SE	1.2	1.6	.3	.0	.0	.0	.0	3.1	2.2	3.6	.0	.0	.5	.0	90.6	
S	1.7	.9	1.5	.0	.0	.0	.0	4.1	3.7	4.2	.2	.0	.3	.0	87.4	
SW	4.6	1.6	1.9	.0	.0	.0	.0	7.4	3.6	1.9	.5	.0	.4	.0	86.0	
W	4.5	1.1	1.5	.0	.0	.0	.0	6.6	3.3	2.2	.3	.0	.1	.0	87.5	
NW	1.5	.5	.2	.0	.0	.0	.0	2.2	1.4	1.9	.2	.0	.9	.0	93.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.2	.1	.0	.0	.0	.0	.6	.7	2.8	.0	.0	1.6	.1	94.2	
TOT PCT	1.3							2.5	1.7	2.3	.1	.0	.6	.1	92.8	
TOT OBS:	7239															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

WOLP (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA	
0300	.9	.5	.4	.0	.0	.0	.0	1.7	1.0	1.0	.1	.0	.1	.2	95.9	
0600	.9	.6	.3	.0	.0	.0	.0	1.7	1.0	5.5	.2	.0	1.1	.1	90.5	
1200	1.6	1.3	.7	.0	.0	.0	.0	3.7	3.7	2.4	.2	.0	.7	.1	89.8	
1800	1.4	1.0	.4	.0	.0	.0	.0	2.6	1.6	.3	.2	.0	.3	.0	95.0	
TOT PCT	1.3							2.5	1.7	2.3	.2	.0	.5	.1	92.8	
TOT OBS:	7447															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL CPS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-7	8-10	11-21	22-32	33-47	48+					00	03	06	09	12	15	18
N	3.2	11.5	2.0	.1	.0	.0		16.7	6.7	11.9	15.5	14.6	21.0	21.9	22.1	17.3	10.1
NE	2.5	12.5	5.4	.2	.0	.0		21.0	8.6	18.3	15.3	16.7	25.3	22.3	26.6	25.8	20.9
E	2.1	10.3	4.4	.3	.0	.0		17.1	8.9	19.9	19.5	13.8	11.0	15.9	12.6	20.1	14.6
SE	1.0	3.0	.9	.1	.0	.0		5.8	7.5	7.7	3.2	6.8	2.8	4.1	2.3	5.8	6.0
S	.6	1.9	.4	.0	.0	.0		3.0	6.9	4.3	5.6	3.1	1.9	1.4	2.8	2.9	3.0
SW	.7	2.6	.8	.1	.0	.0		4.1	7.9	5.9	3.9	4.3	4.0	2.7	5.8	3.4	4.3
W	1.5	5.5	1.1	.2	.0	.0		8.2	7.4	10.8	6.5	6.3	8.6	7.6	4.6	6.9	8.0
NW	2.1	8.7	1.3	.1	.0	.0		12.2	6.8	11.2	12.9	12.5	10.1	13.3	14.0	11.4	16.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.0							12.0	.0	10.0	17.6	20.0	14.4	10.9	9.2	6.9	9.0
TOT OBS	2011	4496	1290	74	2	0	7873		6.9	1737	142	1433	181	1674	206	1900	200
TOT PCT	25.5	57.1	16.4	.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	9.7	6.6	.4	.0	.0			16.7	6.7	12.2	15.1	21.9
NE	8.7	10.8	1.4	.0	.0			21.0	8.6	18.0	17.5	22.7
E	6.7	9.0	1.5	.0	.0			17.1	8.9	19.9	13.5	15.5
SE	3.0	2.6	.2	.0	.0			5.8	7.5	7.4	6.4	3.9
S	1.7	1.1	.1	.0	.0			3.0	6.9	4.4	3.0	1.6
SW	2.3	1.6	.2	.0	.0			4.1	7.9	5.7	4.4	3.0
W	4.6	3.3	.4	.0	.0			8.2	7.4	10.5	8.3	7.2
NW	7.0	4.9	.2	.0	.0			12.2	6.8	11.3	12.3	13.3
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
CALM	12.0							12.0	.0	10.6	19.5	10.7
TOT OBS	4381	3126	352	12	0	7873		6.9	1879	2014	1880	2100
TOT PCT	55.6	39.7	4.5	.2	.0			100.0		100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1874-1975

NOVEMBER

AREA 0009 GUATEMALA SL COAST
11.9N 90.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				KTS	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+				
0000Z	10.6	12.6	60.6	15.3	.6	.0	.0	.0	6.8	100.0	1879
0600Z	19.5	15.0	53.7	10.9	.9	.0	.0	.0	5.6	100.0	2034
1200Z	10.7	13.1	56.5	19.4	.9	.0	.0	.0	6.9	100.0	1980
1800Z	7.1	13.2	56.0	22.3	1.3	.0	.0	.0	7.9	100.0	2100
TOT	943	1046	4496	1290	74	2	.0	.0	6.9		7473
PCT	12.0	13.6	57.1	16.4	.9	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & L	TOTAL OBSCD	TOTAL CES	MEAN CLOUD COVER
N	8.0	3.9	3.4	.8			3.0
NE	10.3	4.8	4.6	1.0			3.0
E	7.3	4.6	4.7	1.3			3.4
SE	2.1	1.6	1.7	.7			3.8
S	.9	.5	1.0	.5			4.4
SW	1.0	1.0	1.3	.8			4.6
W	2.7	1.0	2.2	1.2			4.0
NW	5.6	2.6	2.4	.8			3.2
VAR	.0	.0	.0	.0			.0
CALM	6.6	2.5	2.2	.4			2.6
TOT OBS	2686	1423	1452	456	6017		3.7
TOT PCT	44.6	23.6	24.1	7.6		100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, KM, >4000) AND OCCURRENCE OF AM <500 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & L	TOTAL OBSCD	TOTAL CES	MEAN CLOUD COVER
N	8.0	3.9	3.4	.8			3.0
NE	10.3	4.8	4.6	1.0			3.0
E	7.3	4.6	4.7	1.3			3.4
SE	2.1	1.6	1.7	.7			3.8
S	.9	.5	1.0	.5			4.4
SW	1.0	1.0	1.3	.8			4.6
W	2.7	1.0	2.2	1.2			4.0
NW	5.6	2.6	2.4	.8			3.2
VAR	.0	.0	.0	.0			.0
CALM	6.6	2.5	2.2	.4			2.6
TOT OBS	2686	1423	1452	456	6017		3.7
TOT PCT	44.6	23.6	24.1	7.6		100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (AM >4000) AND VSBY (KM)

CEILING (FEET)	≥ CR ≥ 10	≥ CR ≥ 5	≥ CR ≥ 2	VSBY (KM)	≥ CR ≥ 1	≥ CR ≥ 1/2	≥ CR ≥ 1/4	≥ CR ≥ 1/8	≥ CR ≥ 1/16
≥ CR ≥ 6500	.4	.4	.4	.4	.4	.4	.4	.4	.4
≥ CR ≥ 5000	.7	.7	.7	.7	.7	.7	.7	.7	.7
≥ CR ≥ 3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ CR ≥ 2000	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
≥ CR ≥ 1000	8.5	9.4	9.6	9.6	9.6	9.7	9.7	9.7	9.7
≥ CR ≥ 500	11.7	13.3	13.6	13.7	13.7	13.7	13.7	13.7	13.7
≥ CR ≥ 300	12.2	14.0	14.4	14.4	14.4	14.5	14.5	14.5	14.5
≥ CR ≥ 150	12.4	14.3	14.7	14.7	14.7	14.8	14.8	14.8	14.8
≥ CR ≥ 0	12.6	14.6	15.0	15.1	15.1	15.1	15.2	15.2	15.2
TOTAL	779	902	920	924	934	937	940	940	940

TOTAL NUMBER OF OBS: 6199

PCT FREQ AM <500: 84.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
21.0	23.4	14.8	12.3	7.6	4.5	4.2	3.1	3.5	1.1	6524

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1979-1979

NOVEMBER

AREA 0009 GUATEMALA SW COAST
11.94 90.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSEY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.	.0	.0	.	.	.0	.	.0	.0	.1	.
	NO PCP	.0	.	.0	.0	.0	.0	.0	.	.0	.0	.0	.
	TOT %	.0	.	.0	.0	.	.	.0	.	.0	.0	.1	.
1/2<1	PCP	.	.	.0	.0	.0	.0	.	.	.0	.0	.	.
	NO PCP	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.	.
	TOT %	.	.	.0	.	.0	.0	.	.	.0	.0	.1	.
1<2	PCP	.0	.	.	.	.0	.	.	.	.0	.0	.1	.
	NO PCP	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
	TOT %	.0	.	.0	.	.0	.	.	.	.0	.0	.1	.
2<5	PCP	.	.	.	.	.	.	.1	.	.0	.0	.4	.
	NO PCP	.	.1	.1	.	.	.	.1	.1	.0	.	.3	.
	TOT %	.1	.1	.1	.	.	.	.1	.1	.0	.	.7	.
5<10	PCP	.1	.1	.2	.1	.	.1	.2	.2	.0	.0	.9	.
	NO PCP	.5	.8	1.0	.2	.2	.2	.5	.4	.0	.3	4.2	.
	TOT %	.5	.9	1.2	.3	.2	.3	.7	.6	.0	.3	5.1	.
10+	PCP	.1	.1	.2	.1	.1	.1	.2	.	.0	.1	1.0	.
	NO PCP	15.8	14.7	14.2	5.5	2.6	3.5	7.1	11.4	.0	11.1	92.9	.
	TOT %	15.4	14.8	14.3	5.6	2.7	3.6	7.3	11.4	.0	11.2	93.9	.
TOT OBS		7211											
TOT PCT		16.5	20.4	17.6	6.0	3.0	4.1	8.3	12.1	.0	11.5	100.0	.

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSEY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.	.	.0	.0	.	.
	4-10	.	.	.	.0	.0	.	.	.	.0	.	.1	.
	11-21	.0	.	.0	.0	.	.0	.	.	.0	.	.1	.
	22+	.0	.	.0	.0	.	.	.	.	.0	.	.	.
	TOT %	.	.	.	.0	.	.	.	.	.0	.0	.2	.
1/2<1	0-3	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	4-10	.0	.0	.0	.	.0	.0	.0	.0	.0	.0	.	.
	11-21	.0	.	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.
	TOT %	.	.	.0	.	.0	.0	.	.	.0	.0	.1	.
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.
	4-10	.0	.0	.	.	.0	.0	.	.	.0	.0	.1	.
	11-21	.0	.	.	.	.0	.0	.	.	.0	.0	.1	.
	22+	.0	.0	.	.	.0	.0	.	.	.0	.0	.	.
	TOT %	.0	.	.	.	.0	.	.	.	.0	.0	.1	.
2<5	0-3	.	.	.0	.0	.	.	.	.1	.0	.	.2	.
	4-10	.1	.1	.	.	.	.	.	.1	.0	.	.4	.
	11-21	.	.	.1	.	.0	.	.	.	.0	.	.2	.
	22+	.0	.0	.0	.0	.0	.	.	.0	.0	.	.	.
	TOT %	.1	.1	.1	.	.	.	.	.2	.0	.	.8	.
5<10	0-3	.1	.2	.1	.1	.	.1	.1	.1	.0	.3	1.0	.
	4-10	.4	.4	.6	.2	.1	.1	.3	.4	.0	.	2.4	.
	11-21	.1	.3	.3	.1	.	.1	.2	.1	.0	.	1.2	.
	22+	.0	.	.1	.	.0	.	.	.	.0	.	.1	.
	TOT %	.5	.9	1.1	.3	.2	.3	.7	.6	.0	.3	4.7	.
10+	0-3	3.0	2.3	1.4	.9	.6	.5	1.3	1.4	.0	11.5	24.0	.
	4-10	11.0	12.3	9.4	3.7	1.7	2.4	5.0	4.2	.0	.	54.0	.
	11-21	3.4	5.1	4.1	.8	.4	.7	.6	1.2	.0	.	15.0	.
	22+	.1	.2	.3	.	.0	.1	.1	.	.0	.	.8	.
	TOT %	16.0	19.9	15.9	5.5	2.7	3.7	7.3	11.4	.0	11.5	93.8	.
TOT OBS		7589											
TOT PCT		16.4	20.4	17.3	5.9	2.9	4.1	8.2	12.2	.0	11.4	100.0	.

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1978-1979

NOVEMBER

AREA 0009 GUATEMALA SW COAST
11.9N 90.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM 3/8) AND
OCCURRENCE OF NM 5/8 BY HOUR

HOUR (GMT)	000	150	300	450	1000	2000	3500	5000	6500	8000	TOTAL	NM 5/8 ANY HGT	TOTAL OBS
0000Z	.0	.4	.5	2.8	5.3	1.6	.9	.5	.1	.2	12.4	87.6	1658
0600Z	.3	.3	.5	3.1	4.2	1.0	.6	.5	.2	.2	11.6	88.4	1589
1201Z	.7	.2	1.0	5.5	6.7	3.1	1.1	.3	.2	.3	19.0	81.0	1574
1802Z	.5	.5	.6	4.2	5.7	2.6	.9	.1	.2	.1	15.6	84.4	1640
TOT	23	21	44	253	354	148	56	22	11	13	945	5515	6461
PCT	.4	.3	.7	3.9	5.5	2.3	.9	.3	.2	.2	14.6	85.4	100.0

TABLE 11

PERCENT FREQUENCY VSPT (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.3	.0	.1	.6	4.0	94.8	1899
0600Z	.1	.0	.1	.6	5.5	93.6	2022
1201Z	.3	.2	.2	1.5	5.5	92.6	1887
1802Z	.2	.0	.2	.7	4.5	94.4	2032
TOT	17	5	11	70	383	7354	7640
PCT	.2	.1	.1	.9	4.9	93.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSPT (NM) AND/OR
CEILING HGT (FEET, NM 3/8) BY HOUR

HOUR (GMT)	<150	<600	<1000	1000+	NM 5/8 AND 5+	TOTAL OBS
0000Z	.1	1.1	4.5	8.8	86.8	1595
0600Z	.3	1.3	4.9	7.6	87.5	1516
1201Z	.8	2.1	8.3	11.6	80.1	1514
1802Z	.5	1.9	7.0	9.5	83.5	1574
TOT	25	95	391	580	5238	6199
PCT	.4	1.5	6.1	9.4	84.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
90/94	.0	.0	.0	.2	.7	.3	.1	.0	76	1.3
85/89	.0	.0	.0	.2	3.3	6.1	1.2	.3	683	11.2
80/84	.0	.0	.0	.6	7.0	31.0	29.2	4.6	4026	72.0
75/79	.0	.0	.0	.3	2.2	7.5	5.0	.0	914	15.0
70/74	.0	.0	.0	.0	.0	.0	.1	.0	8	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	4	66	689	2418	2325	612	6113	100.0
PCT	.0	.0	.1	1.1	11.3	39.6	38.0	10.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.2	.3	.1	.0	.0	.1	.2	.0	.1
85/89	1.8	2.1	2.5	.7	.0	.0	.8	1.6	.0	1.1
80/84	12.1	15.4	13.0	4.2	1.9	2.4	5.5	8.8	.0	9.1
75/79	2.3	2.9	2.2	1.0	.6	1.1	1.9	1.6	.0	1.4
70/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	16.6	20.6	17.9	6.0	2.8	4.0	8.3	12.1	.0	11.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP-DEG F BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	95	88	86	87	76	76	73	81.9	1935
0600Z	90	85	84	81	79	76	70	80.9	2093
1201Z	94	85	83	81	77	75	68	80.6	1919
1802Z	95	92	89	83	79	76	73	83.6	2127
TOT	95	90	86	82	78	76	68	81.8	8074

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.2	12.6	43.2	33.9	9.1	70	1598		
0600Z	.0	.5	6.3	37.0	44.1	12.1	81	1640		
1201Z	.0	.5	5.0	35.1	47.6	15.3	81	1531		
1802Z	.0	2.0	20.1	45.8	26.3	5.4	76	1562		
TOT	0	72	707	2520	2404	633	79	6331		

NOVEMBER

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1978-1979AREA 0009 GUATEMALA SW COAST
11-9N 90.5W

TABLE 1*

PCT FREQ OF 21P TEMPERATURE IDEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE IDEG F)

AIR-SEA TEMP DIF	65 68	69 72	73 75	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
18/16	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.0
11/13	.0	.0	.0	.0	.1	.1	.1	.1	24	.0	.0
9/10	.0	.0	.0	.0	.1	.2	.3	.4	45	.0	.0
7/8	.0	.0	.0	.1	.2	.4	.4	.4	80	.0	1.2
6	.0	.0	.0	.0	.3	.5	.4	.0	78	.0	1.1
5	.0	.0	.0	.1	.8	.9	.2	.0	133	.0	2.0
4	.0	.0	.0	.2	1.6	1.3	.2	.0	222	.0	3.3
3	.0	.0	.0	.4	1.5	1.2	.2	.0	218	.0	3.2
2	.0	.0	.0	.7	4.1	1.8	.0	.0	454	.0	6.7
1	.0	.0	.0	1.2	5.7	1.4	.0	.0	571	.0	8.4
0	.0	.0	.1	3.3	11.9	1.1	.0	.0	1113	.0	16.3
-1	.0	.0	.1	3.6	9.6	.7	.0	.0	948	.0	13.9
-2	.0	.0	.1	5.0	10.2	.1	.0	.0	1047	.1	15.3
-3	.0	.0	.0	.0	5.3	.2	.0	.0	653	.0	9.4
-4	.0	.0	.0	.2	3.8	1.7	.0	.0	527	.0	7.8
-5	.0	.0	.0	.2	2.7	2.2	.0	.0	364	.0	5.0
-6	.0	.0	.0	.2	1.8	.9	.0	.0	176	.0	2.6
-7/-4	.0	.0	.0	1.1	.5	.0	.0	.0	121	.0	1.8
-8/-10	.0	.0	.0	.2	.1	.0	.0	.0	29	.0	.4
-11/-13	.0	.0	.0	.0	.1	.0	.0	.0	13	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	1	95	1925	3973	686	128	10	6796	.2	99.6
PCT	.0	.0	1.4	28.0	58.4	10.1	1.9	.1	100.0	.2	99.6

PERIOD: (COVER-ALL) 1963-1979

TABLE 10

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	1.1	3.0	.0	.0	.0	.0	4.1	.9	2.2	.1	.0	.0	.0	3.2
1-2	1.0	5.4	1.0	.0	.0	.0	7.9	.9	8.2	1.2	.0	.0	.0	10.3
3-4	.1	2.6	.7	.0	.0	.0	3.3	.2	3.2	2.0	.0	.0	.0	5.4
5-6	.1	.4	.2	.0	.0	.0	.7	.0	.7	1.2	.1	.0	.0	2.0
7	.0	.1	.1	.0	.0	.0	.3	.0	.1	.5	.1	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	12.0	2.0	.0	.0	.0	16.3	2.1	14.4	5.2	.2	.0	.0	21.9

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.8	2.2	.1	.0	.0	.0	3.0	.3	1.0	.0	.0	.0	.0	1.3
1-2	.5	7.3	1.1	.0	.0	.0	8.9	.2	1.2	.7	.0	.0	.0	1.4
3-4	.2	3.0	2.4	.1	.0	.0	5.6	.1	1.1	.3	.1	.0	.0	1.6
5-6	.0	.3	1.4	.2	.0	.0	1.9	.0	.1	.4	.0	.0	.0	.5
7	.0	.1	.3	.1	.0	.0	.5	.0	.1	.1	.0	.0	.0	.1
8-9	.0	.1	.1	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	13.0	5.5	.6	.0	.0	20.6	.5	3.5	1.0	.1	.0	.0	5.1

PERIOD: (OVER-ALL) 1963-1974

ACVEM
TABLE 18 (CONT.)

AREA 0006 GUATEMALA SW COAST
11.66 92.66

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-32	34-47	48+	PCT	1-3	4-10	11-21	22-32	34-47	48+	PCT
<1	.0	.2	.1	.0	.0	.0	.2	.3	.3	.0	.0	.0	.0	.7
1-2	.1	.6	.0	.0	.0	.0	1.0	.0	1.4	.1	.0	.0	.0	1.4
3-4	.0	.1	.0	.0	.0	.0	.2	.0	.4	.2	.0	.0	.0	.6
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.2	.2	.0	.1	.0	.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.3	.4	.0	.0	.0	1.8	.4	2.1	.7	.1	.1	.0	3.5

HGT	1-3	4-10	11-21	22-32	34-47	48+	PCT	1-3	4-10	11-21	22-32	34-47	48+	PCT	TOTAL PCT
<1	.6	1.2	.0	.0	.0	.0	1.8	.6	1.4	.1	.0	.0	.0	2.1	2.1
1-2	.2	3.2	.2	.0	.0	.0	3.6	.5	4.6	.6	.0	.0	.0	5.4	5.4
3-4	.0	1.4	.4	.0	.0	.0	1.8	.1	2.1	.7	.0	.0	.0	2.8	2.8
5-6	.0	.4	.2	.0	.0	.0	.6	.0	.5	.2	.0	.0	.0	.7	.7
7	.0	.0	.3	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2	.2
8-9	.0	.1	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.4	1.2	.2	.0	.0	9.0	1.2	6.2	1.7	.1	.0	.0	12.1	12.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOT
<1	15.0	11.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.9
1-2	6.5	32.1	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45.0
3-4	.9	13.9	6.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.4
5-6	.2	2.5	3.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
7	.0	.4	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
8-9	.0	.1	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
10-11	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
12	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	20.9	60.9	17.1	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	172.0

PERIOD: (OVER-ALL) 1966-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	6.3	18.5	16.1	6.1	1.9	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2735	3
6-7	.2	3.3	7.7	6.2	2.5	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1274	4
8-9	.1	1.0	3.0	2.7	1.6	.6	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	530	5
10-11	.0	.4	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	137	6
12-13	.0	.0	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	5
13	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	8
14-15	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	810	2
TOTAL	8.4	2.1	2.2	1.3	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5484	1
PCT	15.0	25.3	30.5	17.4	7.2	2.4	1.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1970
(COVER-ALL) 1973-1976

DECEMBER

AREA CODE GUATEMALA SW COAST
12.0N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION															
PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SMOG	DRZ	FRZG PCPN	SNOG PCPN	OTHER FRZG PCPN	HALE	PCPN AT GS TIME	PCPN PAST HOUR	THDR LTNG	FOG LG PCPN	FOG LG PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST BLNG SMOG	NO SIG WFA
N	.1	.1	.0	.0	.0	.0	.0	.1	.0	.4	.1	.0	.7	.0	98.7
NE	.1	.1	.1	.0	.0	.0	.0	.3	.4	.4	.5	.0	.2	.0	98.1
E	.2	.2	.1	.0	.0	.0	.0	.4	.4	.7	.2	.0	.4	.0	97.5
SE	.1	.1	.0	.0	.0	.0	.0	.2	.5	.0	1.7	.0	.3	.0	95.8
S	.0	.0	.0	.0	.0	.0	.0	2.1	.3	.0	1.6	.0	.4	.0	97.0
SW	.0	2.1	.0	.0	.0	.0	.0	1.0	.7	.4	.0	.0	.8	.0	98.2
W	.0	.0	.0	.0	.0	.0	.0	.4	.0	.7	.0	.0	.0	.0	98.6
NW	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.3	.0	1.5	.0	96.6
VAR	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5	.3	.0	.6	.0	97.8
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.2	.4	.0	.0	.0	.0	.4	.4	.5	.3	.0	.6	.0	
TOT OBS:	6390														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PERCENT FREQUENCY OF WEATHER OCCURRENCE															
HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SMOG	DRZ	FRZG PCPN	SNOG PCPN	OTHER PCPN	HALE	PCPN AT GS TIME	PCPN PAST HOUR	THDR LTNG	FOG LG PCPN	FOG LG PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST BLNG SMOG	NO SIG WFA
0000	.2	.2	.1	.0	.0	.0	.0	.5	.4	.1	.3	.0	.7	.0	98.1
0600	.2	.2	.1	.0	.0	.0	.0	.1	.1	1.3	.6	.0	.8	.0	97.1
1200	.2	.2	.1	.0	.0	.0	.0	.6	1.0	.1	.4	.0	.5	.0	96.8
1800	.1	.2	.1	.0	.0	.0	.0	.3	.3	.0	.4	.0	.6	.0	97.7
TOT PCT	.1	.2	.4	.0	.0	.0	.0	.4	.4	.5	.3	.0	.6	.0	
TOT OBS	7044														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-32	33-47	48+				00	03	06	09	12	15	18	21
N	3.3	11.7	2.0	.1	.0	.0	17.1	6.8	11.8	10.4	18.3	18.8	21.8	20.4	16.2	16.5	
NE	2.8	16.4	8.8	.5	.0	.0	28.7	6.3	25.2	24.3	21.8	35.4	30.7	40.7	34.7	33.4	
E	2.1	17.4	7.7	.8	.0	.0	27.2	6.7	26.3	19.4	21.0	20.7	19.8	17.8	26.7	18.2	
SE	.5	2.3	.6	.0	.0	.0	3.4	6.2	6.8	6.8	4.6	2.6	2.2	2.1	2.9	3.1	
S	.3	.6	.1	.0	.0	.0	1.3	6.2	2.7	.9	.9	.0	1.0	.8	1.2	1.7	
SW	.3	1.1	.1	.0	.0	.0	1.5	6.2	6.3	6.3	4.2	1.1	3.2	1.9	2.4	3.4	
W	1.1	2.5	.6	.0	.0	.0	3.9	6.0	9.2	11.7	10.0	14.1	9.2	8.6	7.2	10.1	
NW	1.4	6.8	.8	.0	.0	.0	6.2	9.5	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	11.2	.0	.0	.0	.0	.0	11.2	.0	6.4	11.5	17.8	7.4	11.3	6.7	7.4	9.1	
CALM	11.2	.0	.0	.0	.0	.0	11.2	.0	1634	111	1893	174	1580	196	1459	176	
TOT OBS	1742	4294	1486	85	.4	.0	7413	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
TOT PCT	23.0	55.3	20.0	1.1	.1	.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	48+				00	03	09	15
N	10.2	6.5	.4	.0	.0	.0	17.1	6.8	11.7	18.4	21.7	16.4	
NE	10.1	15.4	2.4	.1	.0	.0	28.7	6.3	25.1	22.8	31.8	34.4	
E	7.7	13.1	2.3	.1	.0	.0	23.2	6.7	25.6	21.0	19.5	26.0	
SE	1.4	1.4	.1	.0	.0	.0	3.4	6.2	6.8	4.6	2.2	2.9	
S	.8	.4	.1	.0	.0	.0	1.3	6.2	2.7	.9	.9	1.0	
SW	1.0	.0	.0	.0	.0	.0	1.5	6.2	6.3	4.2	1.1	3.2	
W	2.4	1.3	.0	.0	.0	.0	3.9	6.0	9.2	11.7	10.0	14.1	
NW	6.9	3.4	.1	.0	.0	.0	6.2	9.5	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	11.2	.0	6.4	11.5	17.8	7.4	
CALM	11.2	.0	.0	.0	.0	.0	11.2	.0	1634	111	1893	174	
TOT OBS	1742	3194	914	14	.3	.0	7413	100.0	100.0	100.0	100.0	100.0	
TOT PCT	51.1	43.0	5.4	.3	.0	.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1873-1979

DECEMBER

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+		
0000	5.7	11.6	60.1	17.7	.7	.0	.0	7.2	1745
0600	16.5	13.4	58.0	11.7	.4	.0	.0	6.0	1659
1200	10.6	13.4	54.4	20.0	1.4	.1	.0	7.5	1774
1800	7.9	11.0	49.3	29.7	2.0	.1	.0	8.7	2035
TOT	827	915	4096	1486	85	4	0	7.4	7413
PCT	11.2	12.3	55.3	20.0	1.1	.1	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	11.9	2.4	2.0	.3	1.4	1.4
NE	19.1	5.1	1.3	.6	2.0	2.0
E	16.4	4.1	2.9	.4	2.0	2.0
SE	2.6	.9	.6	.	2.3	2.3
S	.8	.3	.3	.	2.6	2.6
SW	.6	.3	.3	.	2.5	2.5
W	2.5	.6	.7	.1	2.3	2.3
NW	5.2	1.7	1.2	.2	2.3	2.3
VAR	.0	.0	.0	.0	.0	.0
CALM	8.0	1.9	1.1	.2	1.7	1.7
TOT OBS	3965	1028	707	124	5764	2.0
TOT PCT	67.7	17.8	12.3	2.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. NH >4/P)
AND OCCURRENCE OF NH <5/P BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 6499	5000 7999	6500 9999	8000+	NH <5/P ANY HGT	TOTAL OBS
N	.0	.0	.1	.3	.4	.2	.1	.	.	.	15.9	
NE	.1	.0	.1	.6	.5	.2	.	.	.	.	26.2	
E	.	.0	.	.4	.7	.3	.0	.	.	.	22.2	
SE	.0	.0	.	.2	.1	.	.	.	.	.	3.9	
S	.0	.0	.0	.	.1	.0	.	.0	.	.	1.2	
SW	.0	.0	.0	.	.	.	.	.0	.	.	1.3	
W	.0	.0	.1	.1	.2	.1	.	.	.	.	3.4	
NW	.	.0	.	.2	.2	.1	.	.	.	.	8.1	
VAR	.0	.0	.0	.0	.0	.0	.	.	.	.	.0	
CALM	.0	.	.	.2	.1	.1	.	.	.	.	10.5	
TOT OBS	8	1	18	108	144	64	37	11	11	10	5764	
TOT PCT	.1	.	.3	1.9	2.5	1.1	.6	.2	.2	.2	92.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/P) AND VISBY (NH)

CEILING (FEET)	VISBY (NH)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR ≥6500	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR ≥5000	.5	.5	.5	.5	.5	.5	.5	.5
≥ OR ≥3500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
≥ OR ≥2000	2.2	2.3	2.3	2.7	2.3	2.3	2.3	2.3
≥ OR ≥1000	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ OR ≥600	6.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6
≥ OR ≥300	6.4	6.9	6.9	7.0	7.0	7.0	7.0	7.0
≥ OR ≥150	6.4	6.9	6.9	7.0	7.0	7.0	7.0	7.0
≥ OR ≥0	6.5	7.0	7.1	7.1	7.1	7.1	7.1	7.1
TOTAL	344	414	416	419	419	419	419	419

TOTAL NUMBER OF OBS: 5883

PCT FREQ NH <5/P: 92.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	ORSCD	TOTAL OBS
	38.3	26.3	10.8	4.2	4.1	2.3	2.4	1.7	.8	.1	6163

PEPI001 (INDIMAPY) 1952-1979
 (OVER-ALL) 1472-1979

DECEMBER

AREA 0009 GUATEMALA SW COAST
 12.0N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
 PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP .0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP .6	.8	.9	.2	.1	.0	.3	.0	.2	.2	3.2	3.2
	TOT 1 .6	.9	.9	.2	.1	.1	.3	.0	.2	.2	3.4	3.4
10+	PCP .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP 16.6	27.7	22.7	3.9	1.2	1.3	3.8	8.8	10.4	96.3	96.3	96.3
	TOT 1 16.6	27.7	22.7	3.9	1.2	1.3	3.8	8.8	10.4	96.4	96.4	96.4
TOT OBS												6841
TOT PCT	17.2	28.6	23.6	4.1	1.3	1.4	3.9	9.1	.0	10.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
 WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+ .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+ .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+ .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+ .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3 .1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.2	.8	.8
	4-10 .4	.5	.5	.1	.0	.0	.0	.3	.0	.0	.5	1.8	1.8
	11-21 .1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.1	.5	.5
	22+ .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
	TOT 1 .6	.9	.6	.2	.1	.0	.3	.0	.2	.2	3.2	3.2	3.2
10+	0-3 3.1	2.6	1.9	.6	.3	.3	1.0	1.7	.0	10.8	22.4	22.4	22.4
	4-10 11.4	16.3	12.4	2.6	.9	1.0	2.4	6.3	.0	53.3	53.3	53.3	53.3
	11-21 1.0	8.2	7.7	.6	.1	.1	.4	.7	.0	19.6	19.6	19.6	19.6
	22+ .1	.5	.4	.0	.0	.0	.0	.0	.0	1.1	1.1	1.1	1.1
	TOT 1 16.5	27.7	22.4	3.8	1.2	1.4	3.8	8.8	.0	10.8	96.4	96.4	96.4
TOT OBS													7198
TOT PCT	17.1	28.6	23.4	4.1	1.3	1.4	3.8	9.2	.0	11.1	100.0		

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1873-1979

DECEMBER

APCA 0009 GUATEMALA SW COAST
12.04 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.1	.1	.3	1.6	1.4	1.2	.5	.3	.2	.1	5.6	94.4	1531				
06009	.3	.7	.2	1.2	2.1	.7	.5	.1	.3	.2	5.6	94.4	1486				
12015	.1	.0	.2	2.7	4.7	1.5	.7	.3	.1	.3	10.0	90.0	1504				
18021	.1	.0	.5	1.6	2.2	1.0	.7	.1	.2	.1	6.4	93.6	1620				
TOT	9	1	18	110	147	66	38	12	12	10	423	5718	6141				
PCT	.1	.0	.3	1.8	2.4	1.1	.6	.2	.2	.2	6.9	93.1	100.0				

TABLE 11

PERCENT FREQUENCY VSBY INNM BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.1	.2	2.7	97.0	1780
06009	.1	.0	.0	.3	4.4	94.8	1859
12015	.1	.0	.2	.2	3.2	96.5	1775
18021	.2	.1	.1	.2	2.8	96.7	1990
TOT	5	1	5	16	250	7107	7384
PCT	.1	.0	.1	.2	3.4	96.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING MGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	.4	2.1	3.7	94.2	1463
06009	.3	.6	2.1	4.0	93.9	1429
12015	.1	.4	3.2	7.2	89.6	1427
18021	.2	.8	2.6	4.3	93.2	1564
TOT	11	32	147	281	5455	5883
PCT	.2	.5	2.5	4.8	92.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	6	.1
90/94	.0	.0	.0	.2	.5	.1	.0	.0	52	.9
85/89	.0	.0	.0	.4	2.5	3.4	.8	.2	429	7.4
80/84	.0	.0	.1	.9	10.7	32.7	19.6	3.7	3929	67.6
75/79	.0	.0	.0	.0	.7	6.8	10.9	4.9	1353	23.3
70/74	.0	.0	.0	.0	.0	.2	.5	.1	41	.7
TOTAL	0	0	7	97	841	2493	1828	544	5610	100.0
PCT	.0	.0	.1	1.7	14.5	42.9	31.5	9.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.2	.3	.0	.0	.0	.0	.2	.0	.1
85/89	1.1	1.8	2.0	.4	.1	.1	.3	.9	.0	.8
80/84	11.7	18.6	15.6	3.0	1.0	1.1	2.8	6.2	.0	7.8
75/79	3.9	7.5	5.6	.7	.2	.2	.8	1.6	.0	2.8
70/74	.1	.2	.1	.0	.0	.0	.1	.1	.0	.1
TOTAL	16.9	28.3	23.7	4.0	1.3	1.3	4.0	8.9	.0	11.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	95	88	85	81	77	75	70	81.4	1781
06009	88	84	83	80	76	74	71	80.0	1921
12015	88	84	83	80	76	74	70	79.8	1799
18021	95	91	88	82	78	74	69	82.7	2045
TOT	95	89	86	81	77	74	69	81.0	7546

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.6	18.9	48.1	24.8	6.6	76	1481		
06009	.0	.5	7.6	42.4	37.0	12.4	80	1480		
12015	.0	.6	7.2	37.4	41.3	13.4	81	1450		
18021	.0	4.1	22.7	44.0	23.6	5.6	75	1545		
TOT	0	105	448	2562	1878	563	78	5956		

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1973-1979

AREA 0009 GUATEMALA SW COAST
12.0N 91.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	W FOG	NO FOG
17/19	.0	.0	.0	.	.	.	.	4	.0	.1
14/16	.0	.0	.0	.1	.0	.1	.	10	.0	.2
11/13	.0	.0	.	.	.2	.1	.1	26	.0	.4
9/10	.0	.0	.1	.2	.2	.	.	40	.0	.6
7/8	.0	.0	.3	.6	.5	.	.	102	.	1.6
6	.0	.	.2	.5	.4	.1	.0	75	.0	1.2
5	.0	.	.3	.8	.7	.2	.0	131	.	2.0
4	.	.1	.7	1.8	1.1	.1	.	250	.0	3.9
3	.0	.1	.5	2.1	.9	.	.0	257	.	4.0
2	.0	.1	2.0	5.6	1.2	.	.	576	.	9.0
1	.	.	2.8	5.1	.8	.	.0	571	.	8.9
0	.0	.4	5.5	9.6	.5	.	.0	1029	.1	16.0
-1	.	.3	4.3	8.2	.3	.	.0	848	.	13.2
-2	.0	.5	6.1	6.9	.1	.0	.0	867	.1	13.5
-3	.	.3	4.6	3.9	.	.0	.0	560	.	8.7
-4	.	.3	5.1	2.4	.	.0	.0	503	.	7.6
-5	.	.	3.2	1.4	.0	.0	.0	242	.0	4.4
-6	.0	.2	1.5	.3	.0	.0	.0	130	.	2.0
-7/-8	.	.3	1.0	.3	.0	.0	.0	105	.	1.6
-9/-10	.	.1	.1	.	.0	.0	.0	19	.0	.3
-11/-13	.	.1	.	.0	.0	.0	.0	10	.0	.2
TOTAL	15	2441	442	14	72	6395	26	6369		
PCT	.2	3.4	36.2	49.9	6.9	1.1	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	NE						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.3	2.5	.0	.0	.3	.0	1.9	1.7	2.2	.1	.0	.0	.0	4.0
1-2	.8	6.5	.7	.0	.0	.0	8.0	.8	9.2	1.6	.0	.0	.0	11.7
3-4	.2	1.9	.7	.0	.0	.0	2.8	.1	4.7	4.2	.1	.0	.0	9.1
5-6	.0	.4	.4	.0	.0	.0	.7	.0	1.1	2.3	.3	.0	.0	3.6
7	.0	.0	.1	.1	.0	.0	.1	.0	.1	1.0	.2	.0	.0	1.2
8-9	.0	.1	.1	.1	.0	.0	.2	.0	.2	.6	.1	.1	.0	.9
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	11.3	1.9	.1	.0	.0	15.6	2.6	17.6	10.0	.7	.1	.0	31.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.2	1.6	.0	.0	.0	.0	1.9	.2	.4	.0	.0	.0	.0	.6
1-2	.7	6.1	1.8	.0	.0	.0	8.8	.2	1.7	.1	.0	.0	.0	2.1
3-4	.0	4.0	4.1	.4	.0	.0	8.5	.3	.7	.9	.0	.0	.0	1.8
5-6	.3	1.0	2.7	.3	.0	.0	4.3	.	.	.2	.1	.0	.0	.3
7	.0	.1	1.0	.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.9	9.6	.7	.0	.0	24.6	.7	2.9	1.2	.1	.0	.0	4.8

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA 0009 GUATEMALA SH COAST
12.0N 91.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4	.2	.4	.0	.0	.0	.0	.5
1-2	.1	.4	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.6
3-4	.0	.3	.0	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.1	.0	.0	.0	1.3	.3	1.0	.1	.0	.0	.0	1.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	.6	.0	.0	.0	.0	.9	.4	1.4	.1	.0	.0	.0	1.9	
1-2	.5	1.4	.1	.0	.0	.0	1.9	.4	3.5	.4	.0	.0	.0	4.2	
3-4	.1	.4	.0	.0	.0	.0	.5	.1	1.0	.2	.0	.0	.0	1.4	
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.4	.1	.0	.0	.0	.5	
7	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	
8-9	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	2.6	.1	.0	.0	.0	3.6	1.0	6.2	.9	.0	.0	.0	8.1	90.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	<1	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	15.0	9.2	.2	.0	.0	.0	24.4	
1-2	4.6	28.7	4.5	.0	.0	.0	37.8	
3-4	1.0	12.7	9.9	.4	.0	.0	24.1	
5-6	.0	2.9	5.5	.6	.0	.0	9.3	
7	.0	.2	2.1	.3	.0	.0	2.6	
8-9	.1	.3	.6	.2	.1	.0	1.2	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.1	.1	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.9	54.3	23.1	1.6	.1	.0	100.0	1538

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.4	18.5	17.4	6.5	1.8	.8	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2740	3
6-7	.1	2.4	7.9	6.5	2.4	.9	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1077	4
8-9	.1	.9	1.8	2.2	1.5	.5	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	395	5
10-11	.0	.5	.6	.6	.3	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	5
12-13	.0	.0	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
13	.0	.0	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	6
INDXT	8.9	1.4	2.1	.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	715	1
TOTAL	850	1224	1582	895	357	139	71	16	26	9	5	0	0	0	0	0	0	0	0	5174	3
PCT	16.4	23.7	30.6	17.3	6.9	2.7	1.4	.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1961-1976

ANNUAL

AREA 0009 GUATEMALA SW COAST
11.5N 91.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG	FOG NO PCPN	SMOKE	SPRAY
N	1.4	.6	.5	.0	.0	.0	.0	2.7	1.7	3.2	.2	.0	2.0	.0
NE	1.8	1.1	.6	.0	.0	.0	.0	3.4	1.9	2.7	.2	.0	1.1	.0
E	1.8	1.2	.6	.0	.0	.0	.0	3.5	2.3	2.7	.2	.0	1.2	.0
SE	1.7	1.3	.6	.0	.0	.0	.0	3.7	2.2	3.6	.1	.0	1.6	.0
S	2.1	1.0	.7	.0	.0	.0	.0	4.5	3.1	3.2	.4	.0	2.1	.0
SW	3.3	2.1	1.0	.0	.0	.0	.0	6.2	2.5	2.5	.3	.0	1.4	.0
W	2.7	1.9	1.0	.0	.0	.0	.0	5.2	2.9	2.7	.1	.0	2.6	.0
NW	1.6	1.1	.5	.0	.0	.0	.0	3.2	1.7	3.2	.2	.0	1.7	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.5	.2	.0	.0	.0	.0	1.0	.9	4.2	.3	.0	4.0	.1
TOT PCP	1.8	1.2	.6	.0	.0	.0	.0	3.6	2.1	3.0	.2	.0	1.8	.0
TOT OBS: 62737														89.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT CB TIME	PCPN PAST HOUR	THDR LTNG	FOG	FOG NO PCPN	SMOKE	SPRAY
0000	1.1	.8	.4	.0	.0	.0	.0	2.2	1.4	.7	.1	.0	1.7	.0
0600	1.4	.9	.4	.0	.0	.0	.0	2.7	1.5	8.6	.3	.0	1.8	.0
1200	3.1	1.6	1.1	.0	.0	.0	.0	5.9	3.2	3.1	.3	.0	2.0	.0
1800	1.7	1.4	.6	.0	.0	.0	.0	3.6	2.3	.4	.2	.0	1.7	.0
TOT PCP	1.8	1.2	.6	.0	.0	.0	.0	3.6	2.1	3.1	.2	.0	1.8	.0
TOT OBS: 95448														89.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	2.4	7.7	1.3	.1	.	.0	11.5	6.6	7.4	8.0	10.8	12.1	15.9	13.7	12.0	11.7	
NE	1.9	10.5	4.4	.4	.	.0	17.7	8.9	14.6	14.2	13.2	19.3	20.1	23.0	21.9	19.7	
E	2.2	12.5	7.9	.7	.	.	23.3	10.0	24.7	18.7	18.8	19.8	22.0	21.0	28.2	23.0	
SE	1.2	6.6	2.1	.	.	.	9.0	8.1	12.9	11.4	10.4	8.4	5.8	6.6	7.1	9.0	
S	.6	3.0	.8	.1	.	.	4.7	7.1	6.2	5.5	5.0	4.6	3.5	4.2	3.9	5.2	
SW	.6	3.3	1.4	.1	.	.0	5.6	7.6	7.2	8.0	5.7	6.2	4.3	6.0	4.7	6.8	
W	1.4	5.3	1.8	.1	.	.0	8.6	7.4	10.4	11.4	9.8	8.0	7.5	7.4	6.8	8.1	
NW	1.7	6.2	1.1	.	.	.	9.1	6.9	7.6	9.8	9.7	9.5	10.2	10.8	8.5	9.5	
VAR	.0	.0	.	.	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.6					.0	10.6	.0	8.9	13.0	16.7	15.1	10.7	7.4	6.8	6.9	
TOT OBS							99672		7.6	22547	1636	22218	2190	21209	2657	24444	2371
TOT PCT	23.0	54.1	21.2	1.6	.1	.		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	6.8	4.4	.2	.0	.0		11.5	6.6	7.4	10.9	15.7	12.0
NE	6.8	9.2	1.6	.1	.0		17.7	8.9	14.6	13.8	20.1	21.7
E	7.4	13.0	2.8	.1	.0		23.3	10.0	24.3	19.8	21.9	27.7
SE	3.9	4.6	.5	.0	.0		9.0	8.1	12.8	10.2	5.9	7.2
S	2.5	1.9	.2	.0	.0		4.7	7.1	6.2	5.0	3.6	4.0
SW	2.4	2.7	.5	.0	.0		5.6	7.6	7.3	5.7	4.5	4.9
W	4.1	4.0	.5	.0	.0		8.6	7.4	10.5	9.7	7.5	6.9
NW	5.2	3.7	.2	.0	.0		9.1	6.9	7.8	9.7	10.3	8.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.6						10.6	.0	9.2	16.4	10.3	6.8
TOT OBS						99672		7.6	24181	24408	23886	27215
TOT PCT	49.6	43.5	6.5	.4	.0		100.0		100.0	100.0	100.0	100.0

ADP 0004 GUATEMALA SW COAST
11.9N 91.6W

PERIOD: (PRIMARY) 1952-1979
(OVERALL) 1861-1979

ANNUAL

AREA: 0009 GUATEMALA SW COAST
11.9N 91.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		11.6	17.7	23.7	9.0	4.7	5.6	8.5	9.0	0	10.3	100.0	92494

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS		11.5	17.7	23.5	9.0	4.7	5.6	8.6	9.0	0	10.5	100.0	96735

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1861-1979AREA 0009 GUATEMALA SW COAST
11.9N 91.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 34/8) AND
OCCURRENCE OF AM 45/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	450 999	600 1999	750 3999	900 4999	1050 6499	1200 7999	1350 9000+	TOTAL	AM 45/8 ANY HGT	TOTAL OBS
00003	.3	.2	.8	3.6	5.7	2.7	1.2	.4	.3	.3	15.6	34.4	21335
06009	.6	.1	.9	4.2	6.0	2.6	1.0	.3	.3	.3	16.2	83.8	19196
12015	.7	.3	1.4	6.8	8.7	3.3	1.3	.4	.2	.4	24.2	75.9	19900
18021	.4	.3	1.2	5.3	7.6	3.5	1.4	.5	.3	.3	21.0	79.0	21408
TOT PCT	.5	.2	1.2	5.3	7.0	3.0	1.2	.4	.3	.3	19.2	80.8	61639 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.1	.1	.2	.9	5.5	93.3	24386
06009	.2	.1	.2	1.0	8.2	90.3	24464
12015	.2	.1	.4	1.7	9.8	87.8	24023
18021	.2	.1	.3	1.0	6.9	91.6	26654
TOT							99527
PCT	.2	.1	.3	1.1	7.6	90.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, AM 34/8) BY HOUR

HOUR (GMT)	<150 FT	<600 FT	<1000 FT	1000- AND 5+	AM 45/8 AND 5+	TOTAL OBS
00003	.3	1.4	5.7	10.7	83.6	20481
06009	.6	1.8	6.8	12.6	82.6	18349
12015	.7	3.0	10.8	14.5	74.7	19101
18021	.5	2.1	6.0	13.8	78.2	20596
TOT						78527
PCT	.5	2.1	7.8	12.4	79.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	C-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/84	.0	.0	.0	.2	.7	.3	.1	.0	.2	.2
85/79	.0	.0	.0	.3	3.3	8.0	1.9	.4	14.0	.4
80/74	.0	.0	.0	.5	5.8	27.7	27.5	4.7	66.3	.6
75/79	.0	.0	.0	.0	.4	3.4	6.3	5.5	15.7	.1
70/74	.0	.0	.0	.0	.0	.0	.2	.4	.6	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									77616	100.0
PCT	.0	.0	.1	1.0	10.3	39.4	38.0	11.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	L	NE	E	SE	S	SW	W	NW	VAP	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/84	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0
85/79	1.4	2.1	3.7	1.4	.6	.5	1.1	1.3	.0	1.6
80/74	7.4	11.7	16.7	8.2	3.0	3.4	5.5	5.9	.0	7.3
75/79	2.2	3.4	3.1	1.1	.9	1.4	1.8	1.4	.0	1.4
70/74	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	1.3	17.4	23.7	6.9	4.6	5.5	8.6	8.6	.0	10.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	89	87	82	78	76	68	82.3	24670
06009	92	85	84	81	77	75	68	80.9	25231
12015	95	85	84	81	76	74	68	80.5	24329
18021	97	81	80	83	78	76	68	83.5	27484
TOT	97	90	87	82	77	75	68	81.8	101714

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	C-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.0	13.3	45.4	32.4	7.8	78	20301
06009	.0	.3	4.0	34.9	46.2	13.7	81	19712
12015	.0	.4	4.1	30.9	47.5	17.0	82	19470
18021	.0	2.4	17.0	46.0	26.8	8.9	76	20496
TOT	0	80%	79%	31444	30686	4078	79	79979

ANALAL

 PERIOD: (PRIMARY) 1952-1979
 (COVER-ALL) 1961-1979

 AREA 0009 GUATEMALA SW COAST
 11.9N 91.0W

TABLE 17

 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
 VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 6F	69 72	71 76	77 80	81 84	85 88	89 92	92	TOT FOG	h FOG	h FOG
17/19	.0	.0	.0	.0	.	.	.	.	11	.0	.
18/16	.0	.0	.0	.0	.	.	.	.	73	.0	.1
11/12	.0	.0	.0	.	.1	.1	.1	.1	235	.0	.3
9/10	.0	.0	.	.	.1	.2	.2	.	459	.0	.5
7/8	.0	.0	.	.1	.3	.4	.4	.	1084	.	1.3
5	.0	.0	.	.1	.3	.4	.2	.	890	.0	1.0
4	.0	.0	.	.2	.6	.8	.3	.	1692	.	2.0
3	.0	.	.	.3	1.3	1.3	.3	.	2745	.	3.2
2	.0	.	.1	.5	1.4	1.4	.2	.	2450	.	3.4
1	.0	.	.1	1.0	3.9	2.1	.1	.	6164	.	7.1
0	.0	.	.1	1.5	4.5	1.8	.1	.0	6775	.	7.6
-1	.0	.	.2	3.1	9.7	1.9	.	.0	12927	.	14.9
-2	.0	.	.2	3.1	9.5	1.3	.	.0	11356	.	13.0
-3	.0	.	.2	4.7	9.2	.7	.	.0	17958	.	14.7
-4	.0	.	.2	3.8	5.6	.3	.	.0	8646	.	9.9
-5	.0	.	.3	4.0	4.2	.1	.	.0	7568	.	8.6
-6	.0	.	.2	2.7	7.3	.1	.	.0	4493	.	5.3
-7	.0	.	.3	1.8	.8	.	.	.0	2587	.	2.9
-7/-8	.0	.	.5	1.5	.5	.	.0	.0	2252	.	2.5
-9/-10	.	.	.3	.4	.1	.	.0	.0	703	.	.8
-11/-12	.	.	.1	.1	.	.0	.0	.0	245	.	.3
-14/-15	.	.	.	.	.	.0	.0	.0	26	.	.
-17/-19	.0	.	.0	.0	.0	.0	.0	.0	1	.0	.
TOTAL									65940		
PCT	.	.1	2.9	28.7	53.2	13.0	1.9	.2	100.0	.2	99.8

PERIOD: (COVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.9	.	.0	.0	.0	2.9	.8	2.0	.	.0	.0	.0	2.9
1-2	.6	4.1	.4	.	.0	.0	5.1	.5	5.8	1.3	.0	.0	.0	7.6
3-4	.1	1.4	.5	.	.0	.0	2.0	.1	2.6	2.4	.1	.0	.0	5.2
5-6	.	.2	.2	.	.	.	.4	.	.5	1.5	.1	.0	.0	2.2
7	.0	.	.1	.	.0	.0	.1	.0	.1	.5	.2	.	.0	.8
8-9	.0	.	.	.	.0	.0	.	.0	.	.2	.1	.	.0	.4
10-11	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.	.0	.1
12	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.	.0	.1
13-16	.0	.0	.	.0	.0	.0	.	.0	.0	.	.	.	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	7.6	1.3	.1	.	.0	10.7	1.5	11.0	6.0	.6	.	.0	19.2

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.0	.1	.0	.0	.0	2.8	.4	.9	.	.0	.0	.0	1.3
1-2	.5	6.4	1.9	.0	.0	.0	8.7	.3	2.8	.6	.0	.0	.0	3.7
3-4	.2	3.5	3.8	.2	.0	.0	7.6	.1	1.3	1.1	.	.0	.0	2.5
5-6	.	.9	2.5	.2	.	.	3.6	.	.3	.4	.	.0	.0	1.0
7	.0	.1	.4	.2	.	.0	1.3	.0	.	.2	.	.0	.0	.2
8-9	.0	.	.2	.1	.	.0	.4	.0	.	.1	.	.0	.0	.1
10-11	.0	.0	.	.1	.	.0	.1	.0	.0	.	.	.0	.0	.
12	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.0	.0	.
13-16	.0	.0	.	.	.0	.0	.	.0	.0	.	.	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	12.9	4.3	.9	.1	.0	24.6	.8	5.3	2.7	.1	.	.0	8.8

PERIOD: (OVER-ALL) 1963-1979

ANNUAL
TABLE 18 (CONT)

AREA CODE GUATEMALA SW COAST
11-6N 91-0E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.2	.0	.0	.0	1.0	.2	.7	.3	.0	.0	.0	.9
1-2	.2	1.5	.2	.0	.0	.0	1.8	.2	1.8	.3	.0	.0	.0	2.3
3-4	.0	.7	.3	.0	.0	.0	1.1	.0	.8	.6	.0	.0	.0	1.4
5-6	.0	.1	.2	.0	.0	.0	.4	.0	.2	.4	.1	.0	.0	.7
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.2	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	6.5	.5	3.5	1.5	.1	.0	.0	5.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	1.2	.5	.0	.0	.0	1.8	.7	1.4	.3	.0	.0	.0	2.2	
1-2	.4	2.7	.5	.0	.0	.0	3.7	.4	3.1	.3	.0	.0	.0	3.9	
3-4	.1	1.2	.8	.0	.0	.0	2.1	.1	1.0	.5	.0	.0	.0	1.6	
5-6	.0	.3	.5	.0	.0	.0	.8	.0	.2	.2	.0	.0	.0	.4	
7	.0	.0	.2	.1	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	5.4	2.1	.1	.0	.0	8.9	1.2	5.4	1.2	.1	.0	.0	8.3	90.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOT
<1	34.8	10.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.9
1-2	4.0	27.6	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36.8
3-4	.0	12.1	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.1
5-6	.0	.2	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3
7	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
8-9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	10.4	53.7	24.3	2.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	204.31

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.1	16.8	16.0	6.9	2.2	.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36213	3
6-7	.2	2.4	7.6	9.9	10.0	1.1	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15436	5
9-9	.1	.9	2.5	2.6	1.6	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6389	5
10-11	.0	.6	.9	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2517	5
12-13	.0	.0	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1187	5
13	.0	.0	.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	585	7
14DET	8.1	1.6	2.0	1.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69897	2
TOTAL PCT	16.4	22.3	29.6	19.4	8.4	3.2	1.4	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	120.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

TABLE 20

AREA 0009 GUATEMALA SW COAST
11.9N 91.0W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP IDEC F1 BY MONTH

SEA TEMP DEC F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.1	.2	.8	7.2	3.9	1.6	1.1	1.6	.7	.9	.6	.4	1160	1.2
87/88	.8	.4	2.9	10.0	17.1	7.2	5.3	6.8	5.6	4.1	3.5	1.8	5392	5.7
85/86	4.8	4.3	13.7	28.2	32.4	27.2	20.1	22.0	22.1	17.6	15.3	9.0	17457	18.6
83/84	17.4	16.2	28.1	28.8	27.4	34.0	35.7	33.7	34.5	32.0	28.8	24.2	27073	28.8
81/82	34.6	35.9	30.2	19.2	13.9	27.9	28.6	26.1	26.1	29.9	32.9	31.2	25779	27.4
79/80	22.3	22.7	13.3	6.3	3.1	5.1	7.0	6.6	7.5	10.9	12.5	17.9	10200	10.9
77/78	11.0	4.7	5.6	3.1	.9	1.2	1.5	1.8	2.4	3.2	4.6	7.6	3933	4.2
75/76	4.0	4.7	3.1	1.2	.7	.4	.4	.5	.6	.9	1.2	1.7	1636	1.7
73/74	2.4	2.4	1.3	.4	.1	.2	.1	.2	.3	.3	.3	1.4	705	.8
71/72	.9	1.1	.5	.1	.1	.0	.0	.1	.0	.1	.2	.4	257	.3
69/70	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
67/68	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
25/26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
23/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
21/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
19/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	7180	7157	4068	7984	9945	8371	8336	7951	7801	7733	7533	6968	93947	100.0
MEAN	82.6	82.7	82.0	83.7	84.7	83.7	83.3	83.4	83.2	82.5	82.4	81.4	82.6	

TABLE 21

PRESSURE (mb)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1011	1012	1012	1011	1012	1012	1013	1010	1012	7267
FEB	1010	1011	1012	1011	1012	1013	1013	1011	1012	7314
MAR	1010	1011	1012	1010	1011	1012	1012	1010	1011	8254
APR	1010	1011	1011	1010	1011	1012	1012	1010	1011	8197
MAY	1009	1010	1011	1009	1011	1011	1011	1009	1011	9139
JUN	1010	1011	1011	1010	1011	1011	1012	1010	1011	8651
JUL	1010	1011	1012	1010	1011	1011	1012	1010	1011	8600
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	8287
SEP	1010	1011	1011	1010	1010	1011	1011	1010	1011	8051
OCT	1010	1011	1011	1009	1011	1011	1011	1009	1011	8017
NOV	1010	1011	1012	1010	1011	1012	1012	1010	1011	7575
DEC	1011	1012	1012	1010	1012	1012	1012	1010	1012	7143
ANN	1010	1011	1012	1010	1011	1012	1012	1010	1011	96495
OBS	22677	1025	21974	1622	21409	2036	23968	1784		

PERCENTILES

MO	96	90	75	50	25	10	5	1	MEAN
JAN	966	1006	1008	1011	1012	1013	1015	1016	1023
FEB	969	1005	1008	1010	1012	1013	1015	1017	1023
MAR	967	1005	1008	1010	1012	1013	1015	1016	1022
APR	1002	1006	1008	1010	1012	1013	1015	1016	1021
MAY	996	1004	1007	1009	1011	1012	1014	1015	1021
JUN	1001	1004	1006	1010	1011	1012	1014	1015	1022
JUL	998	1006	1008	1010	1011	1012	1014	1016	1022
AUG	996	1005	1008	1010	1012	1013	1014	1016	1022
SEP	1001	1005	1008	1009	1011	1012	1014	1015	1020
OCT	999	1005	1008	1010	1011	1012	1014	1015	1020
NOV	996	1004	1006	1010	1011	1013	1014	1016	1020
DEC	1000	1006	1008	1010	1012	1013	1015	1017	1023

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1971-1979

JANUARY

AREA: COLO NICARAGUA SW COAST
9.6N 86.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT DE TIME	PCPN PAST HOUR	TMPO LTNG	FOG NO PCPN	FOG NO PAST HR	SMOKE HAZE	SPRAY BLNG SNOW	DUST	NO SIG
N	.2	.1	.2	.0	.0	.0	.0	.5	.1	.9	.3	.0	1.0	.0	.0	97.3
NE	.1	.1	.1	.0	.0	.0	.0	.3	.1	.3	.1	.1	1.4	.2	.0	97.5
E	.2	.1	.1	.0	.0	.0	.0	.5	.1	.0	.1	.0	1.4	.0	.0	97.9
SE	.0	.5	.3	.0	.0	.0	.0	.8	.5	1.1	.0	.0	1.6	.0	.0	95.9
S	1.0	1.5	1.6	.0	.0	.0	.0	4.2	.5	.5	.0	.0	1.1	.0	.0	94.2
SW	.7	1.5	.2	.0	.0	.0	.0	2.4	1.6	1.2	.0	.0	.2	.0	.0	94.6
W	.2	.8	.1	.0	.0	.0	.0	1.0	.9	.8	.0	.0	.4	.2	.0	96.6
WN	.0	.2	.2	.0	.0	.0	.0	.4	1.0	.4	.2	.0	.3	.0	.0	97.8
VAR	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.2	.0	.0	.0	.0	.0	.4	.7	1.2	.4	.0	2.5	.0	.0	94.9
TOT PCT	.2	.3	.2	.0	.0	.0	.0	.7	.4	.6	.1	.0	1.2	.1	.0	96.9
TOT OBS:	6101															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT DE TIME	PCPN PAST HOUR	TMPO LTNG	FOG NO PCPN	FOG NO PAST HR	SMOKE HAZE	SPRAY BLNG SNOW	DUST	NO SIG
0000Z	.3	.3	.1	.0	.0	.0	.0	.6	.1	.3	.0	.0	1.4	.2	.0	97.2
0600Z	.1	.5	.1	.0	.0	.0	.0	.1	.5	1.5	.2	.0	.5	.0	.0	96.5
1200Z	.3	.1	.2	.0	.0	.0	.0	.7	.4	.6	.2	.1	1.5	.1	.0	96.4
1800Z	.1	.1	.2	.0	.0	.0	.0	.4	.5	.0	.1	.0	1.3	.1	.0	97.5
TOT PCT	.2	.3	.2	.0	.0	.0	.0	.7	.4	.6	.1	.0	1.2	.1	.0	96.9
TOT OBS:	6251															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	2.2	4.5	5.5	.5	.1	.0		16.6	9.7		15.2	13.4	13.9	14.6	19.7	18.7	18.0	19.0		
NE	1.7	11.6	14.2	3.3	.3	.1		31.1	13.2		24.3	27.0	25.2	30.4	34.2	33.5	37.4	32.2		
E	.9	4.9	5.6	1.3	.0	.0		12.7	12.8		11.5	11.0	14.9	11.8	13.4	9.1	12.4	9.0		
SE	.7	1.8	.4	.0	.0	.0		3.0	7.2		3.9	3.9	3.6	1.4	2.1	3.4	2.4	2.2		
S	.7	2.0	.3	.0	.0	.0		3.1	6.2		5.5	5.9	3.2	2.7	1.7	2.8	2.4	3.8		
SW	1.1	2.8	.5	.0	.0	.0		4.4	9.2		7.1	4.6	4.6	5.1	3.7	4.0	2.5	5.3		
W	2.3	7.2	.7	.0	.0	.0		10.2	6.2		13.2	8.1	12.7	6.9	7.7	9.8	7.4	12.4		
WN	1.8	6.4	1.0	.0	.0	.0		9.1	6.5		8.0	12.9	8.8	12.8	6.5	13.7	8.7	11.3		
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	9.6							9.6	.0		9.4	11.2	13.1	12.2	9.9	5.2	8.1	4.9		
TOT OBS	1454	3129	1962	362	31	6	6944		9.3		1440	179	1571	140	1434	250	1754	184		
TOT PCT	20.9	45.1	28.2	5.2	.4	.1		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 4

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	09	12	18
N	6.6	7.9	2.0	.2	.0		16.8	9.7	15.0	14.1	14.6	18.1	
NE	6.3	15.5	8.1	1.1	.1		31.1	13.2	24.3	25.9	34.1	37.2	
E	3.1	5.9	3.3	.4	.0		12.7	12.8	11.5	14.6	12.6	12.1	
SE	1.8	1.0	.2	.0	.0		3.0	7.2	3.9	3.4	2.3	2.4	
S	2.2	.8	.1	.0	.0		3.1	6.2	5.5	3.1	1.5	2.5	
SW	2.9	1.4	.1	.0	.0		4.4	9.2	7.0	4.7	3.4	2.7	
W	6.5	3.6	.1	.0	.0		10.2	6.2	12.6	12.2	8.0	8.3	
WN	5.7	3.3	.1	.0	.0		9.1	6.5	8.5	8.9	10.1	9.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.6						9.6	.0	9.4	13.0	8.4	7.7	
TOT OBS	7104	2737	970	121	12	6944		9.3	1418	1719	1684	1923	
TOT PCT	44.7	39.4	14.0	1.7	.2		100.0		100.0	100.0	100.0	100.0	

AREA COIC NICARAGUA SE COAST
9.00 26.00

PERCENTAGE FREQUENCY OF ROAD SPEED BY HOUR (GMT)

	DATE	TIME	1-3	4-10	11-21	22-33	34-44	45-55	56-66	67-77	78-88	89-99	100-110	111-121
07403	9.6	13.3	31.2	72.3	3.0	.5	.1	.0	1.2	10.0	16.8			
04409	13.0	32.2	44.0	25.4	.0	.5	.0	.7	10.0	17.9				
12115	8.4	9.0	46.0	29.4	6.1	.5	.1	4.8	10.0	16.6				
04021	7.7	15.9	40.0	36.0	3.2	.0	.0	13.0	10.0	18.3				
101	6.6	7.5	42.0	34.2	5.2	.1	.0	7.2		6.0				
1601	5.8	11.3	45.1	24.3	5.2	.0	.0							

12045 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) BY AM 30/41
ALL OCCURRENCE OF AM 45/2 BY WIND DIRECTION

[illegible]

CUMULATIVE PCT FREE OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (CM 70/81) AND VSBY (IN)

[illegible]

PCY F2C: 4M C5/A: 42.2

PERCENTAGE CASES OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
41.2	26.1	13.0	4.9	0.8	2.9	2.2	1.7	1.6	1	5057

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1971-1979

JANUARY

AREA 0010 NICARAGUA SW COAST
9.6N 86.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	*
	NO PCP	.0	*	.0	.0	.0	.0	.0	*	.0	*	*	*
	TOT %	.0	*	.0	.0	.0	.0	.0	*	.0	*	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*
	NO PCP	.0	*	.0	.0	.0	*	.0	.0	.0	.0	*	*
	TOT %	.0	*	.0	.0	.0	*	.0	.0	.0	.0	.1	
2<5	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	NO PCP	*	.1	.0	*	.0	*	*	.1	.0	.0	*	*
	TOT %	*	.1	.0	*	.0	*	*	.1	.0	.0	.2	
5<10	PCP	*	*	*	.0	.1	.1	.1	.0	.0	.0	.3	*
	NO PCP	.6	.9	.3	.1	.2	.2	.4	.2	.0	.5	3.5	*
	TOT %	.6	.9	.3	.1	.2	.3	.5	.2	.0	.5	3.8	
10+	PCP	*	*	*	*	.1	*	*	*	.0	*	.3	*
	NO PCP	15.9	30.0	12.6	2.8	2.9	4.2	9.6	4.7	.0	8.8	95.5	*
	TOT %	15.9	30.0	12.6	2.9	3.0	4.3	9.6	8.7	.0	8.8	95.8	
TOT OBS													
TOT PCT													
		16.6	31.0	13.0	3.0	3.2	4.6	10.2	9.1	.0	9.3	100.0	6083

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	*
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0	*	*	*
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	22+	*	*	*	.0	.0	.0	.0	.0	.0	.0	*	*
	TOT %	*	*	*	.0	.0	.0	.0	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	*	*	.0	.0	*	*	*
	4-10	*	.0	.0	.0	.0	*	*	.0	*	.0	*	*
	11-21	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	*	*	.0	.0	.0	*	*	.0	.0	*	.1	
2<5	0-3	.0	*	*	*	.0	*	*	.0	.0	.0	.1	*
	4-10	*	*	*	.0	.0	*	*	.1	.0	.0	.2	*
	11-21	*	*	*	.0	.0	*	*	.0	.0	.0	*	*
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	TOT %	*	.1	*	.0	.0	.0	.0	.1	.0	.0	.3	
5<10	0-3	.1	*	.1	*	*	.1	.1	*	.0	.5	.9	*
	4-10	.6	.4	.1	.1	.2	.1	.4	.2	.0	.0	1.8	*
	11-21	.2	.4	.1	.0	*	.1	*	.1	.0	.0	.9	*
	22+	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.1	*
	TOT %	.6	.9	.3	.1	.2	.3	.5	.3	.0	.5	3.7	
10+	0-3	2.0	1.4	.7	.6	.7	1.0	1.9	1.7	.0	8.8	18.8	*
	4-10	8.1	11.2	4.8	1.7	1.9	2.7	7.1	6.0	.0	.0	45.3	*
	11-21	5.3	14.0	5.7	.5	.3	.4	.8	.9	.0	.0	27.9	*
	22+	.6	3.6	1.4	.1	.1	*	*	.1	.0	.0	5.8	*
	TOT %	15.9	30.1	12.7	2.8	2.9	4.1	9.6	8.7	.0	8.8	95.7	
TOT OBS													
TOT PCT													
		16.6	31.2	13.1	2.9	3.1	4.4	10.2	9.1	.0	9.4	100.0	6421

TABLE 10

PERCENT FREQUENCY OF CLIMBING HEIGHTS (FEET, AM 24/6) AND
OCCURRENCE OF AM 45/6 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	AM <5/ ANY HGT	TOTAL OBS
0000Z	.1	.0	.4	.7	2.2	1.6	1.0	.3	.4	.3	7.0	93.0	1349
0600Z	.3	.0	.2	1.7	2.6	1.0	.8	.3	.3	.5	7.6	92.4	1332
1201Z	.1	.1	.6	2.7	3.5	1.5	.5	.2	.2	.1	9.7	90.3	1353
1802Z	.2	.1	.1	1.5	2.1	.6	.3	.4	.4	.3	6.1	93.9	1391
TOT	1.0	.4	1.7	9.9	14.2	6.3	3.5	1.7	1.6	1.6	41.1	501.4	5425
PT	1.2	.1	.3	1.6	2.6	1.2	.6	.3	.3	.3	7.6	92.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NP) BY HOUR

Hour (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
0000	.1	.1	.2	.5	3.9	95.3	1571
0600	.1	.0	.1	.2	4.6	95.0	1615
1215	.2	.0	.1	.4	6.7	95.3	1637
1800	.1	.0	.1	.2	2.9	96.9	1751
TOT		1	6	22	24.9	628.7	657.0
PC	.1	0	.1	.3	3.8	95.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) 24/8, BY HOUR

NUMBER (GPT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH AND 5+	TOTAL OBS
00003	.2	.4	1.5	5.9	92.6	1272
06009	.3	.5	2.3	5.7	92.0	1289
12015	.1	1.0	3.9	6.3	89.8	1303
18021	.1	.5	2.1	4.3	93.6	1335
TOT	10	35	178	267	4784	5199
PER	.2	.7	2.5	5.5	92.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP									TOTAL OBS	PCT FREQ
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		
95/99	.0	.0	.0	.1	.0	.0	.	.0	5	.1
90/94	.0	.0	.1	.1	.4	.1	.	.	36	6.7
85/89	.0	.0	.1	.4	2.8	2.0	.6	.	2431	52.3
80/84	.0	.0	.1	1.0	6.6	25.5	14.1	3.2	1962	36.2
75/79	.0	.0	.0	.1	1.3	9.7	17.6	7.3	210	3.9
70/74	.0	.0	.0	.	.	.5	1.4	2.1	5	.1
65/69	.0	.0	.0	.	.	.	.	.	5	.1
TOTAL	.0	.0	.0	120	711	2032	1846	691	5413	100.0
PCT	.0	.0	.2	2.7	15.1	37.5	31.8	12.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	ME	SE	S	SW	M	NM	VAR	CALM
0.0	-1	*	*	0.0	0.0	0.0	0.0	0.0
0.1	1.2	*	0.1	0.0	1.2	0.0	0.1	0.1
1.0	1.9	0.8	2.3	2.5	0.9	0.8	0.8	0.8
6.7	13.6	6.8	1.8	1.8	6.5	4.9	0.0	5.3
6.3	13.6	4.7	0.8	1.3	3.1	2.5	0.0	3.3
0.7	1.9	0.6	0.1	1.1	1.1	0.0	0.0	0.0
0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.8	3.3	13.0	2.9	3.1	4.4	10.2	8.6	9.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	MIN	MEAN	TOTAL OBS
0800	94	88	85	81	75	73	80.5	1659
0800	87	84	82	79	75	72	68	1756
1215	89	85	82	79	74	71	74.7	1710
1821	95	91	88	82	76	73	81.8	1945
191	95	89	86	80	75	72	85	7070

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

PERCENT	PERCENT						MEAN	TOTAL
	0-29	30-49	50-69	70-79	80-89	90-100		OBS
HOUR (GMT)								
0600-3	.0	2.5	12.9	40.5	32.7	11.3	79	1368
0600-9	.0	.5	7.0	33.9	41.7	16.9	81	1375
1201-5	.0	1.1	9.5	33.6	38.2	17.5	81	1397
1602-1	.0	5.6	22.6	41.3	24.6	6.0	75	1417
TOT	0	136	726	2074	1903	718	79	5557

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1871-1979

JANUARY

AREA 0610 NICARAGUA SW COAST
7.6N 86.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP LIT	65 68	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT FOG	W FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
14/16	.0	.0	.0	.0	.0	.1	.0	.0	5	.0	.2
11/13	.0	.0	.0	.1	.2	.2	.1	.1	36	.0	.7
9/10	.0	.0	.0	.3	.5	.2	.1	.0	66	.0	1.2
7/8	.0	.0	.1	.5	.4	.6	.3	.0	106	.0	1.9
6	.0	.0	.2	.6	.6	.3	.1	.0	104	.0	1.8
5	.0	.0	.4	1.1	1.0	.6	.1	.0	182	.0	3.2
4	.0	.1	.4	1.4	1.7	.7	.1	.0	259	.0	4.6
3	.0	.1	.8	1.4	1.5	.6	.0	.0	268	.0	4.7
2	.0	.1	1.1	2.4	3.6	1.1	.0	.0	470	.0	8.3
1	.0	.1	1.3	3.0	4.1	.7	.0	.0	519	.0	9.2
0	.0	.2	1.2	6.0	4.4	.5	.0	.0	816	.0	14.4
-1	.0	.0	.4	5.1	5.6	.1	.0	.0	639	.0	11.6
-2	.0	.0	.4	7.6	4.7	.1	.0	.0	746	.0	13.2
-3	.0	.1	.7	5.0	2.2	.0	.0	.0	425	.0	8.0
-4	.0	.0	.4	4.8	1.8	.0	.0	.0	425	.0	7.6
-5	.0	.1	.4	2.7	.4	.0	.0	.0	237	.0	4.2
-6	.0	.0	.4	1.4	.3	.0	.0	.0	140	.0	2.5
-7/-8	.0	.1	.6	.9	.2	.0	.0	.0	102	.0	1.8
-9/-10	.0	.1	.4	.3	.0	.0	.0	.0	40	.0	.7
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	1	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	5	55	65	2528	332	7	563	100.0	.1	99.9	
PCT	.1	1.0	11.6	44.6	35.8	5.9	1.0	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	10.8	5.3	.6	.0	.0	14.7	.8	11.6	14.4	3.5	.3	.0	30.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.4	4.8	1.3	.0	.0	9.9	.3	1.8	.5	.0	.0	.0	2.5

PERIOD: (OVER-ALL) 1963-1970

JANUARY
TABLE 16 (CONT)AREA 010 NICARAGUA SW COAST
9.84 86.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-2	4-10	11-21	22-33	34-47	48+	PCT	1-2	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	.6	.0	.0	.0	.0	1.0	.6	1.0	.0	.0	.0	.0	1.7	
1-2	.1	.8	.1	.0	.0	.0	.9	.1	1.3	.0	.0	.0	.0	1.5	
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.6	.2	.0	.0	.0	.9	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.6	.1	.1	.0	.0	2.3	.4	3.2	.3	.0	.0	.0	4.3	

HGT	1-2	4-10	11-21	22-33	34-47	48+	PCT	1-2	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	2.7	.1	.0	.0	.0	3.9	1.1	1.9	.0	.0	.0	.0	3.1	
1-2	.2	5.1	.5	.0	.0	.0	5.9	.5	3.1	.4	.0	.0	.0	4.0	
3-4	.1	1.4	.4	.0	.0	.0	2.0	.0	1.8	.3	.0	.0	.0	2.1	
5-6	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	9.4	1.0	.0	.0	.0	11.8	1.6	6.8	1.0	.0	.0	.0	9.4	89.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.5	11.2	.1	.0	.0	.0	27.9	
1-2	2.6	25.4	5.0	.0	.0	.0	33.0	
3-4	.2	10.0	9.6	.0	.0	.0	20.4	
5-6	.1	1.4	6.1	1.2	.0	.0	10.7	
7	.0	.1	2.9	1.1	.0	.0	4.3	
8-9	.0	.1	.3	1.0	.1	.0	1.5	
10-11	.0	.0	.2	.4	.1	.0	1.1	
12	.0	.0	.1	.1	.0	.0	.3	
13-16	.0	.0	.1	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.1	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.4	68.0	7.0	5.4	.3	.0	103.0	1424

PERIOD: (OVER-ALL) 1969-1970

TABLE 19

PERCENT FREQUENCY WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	6.1	17.0	15.7	8.0	3.2	1.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2393	3
1-2	.2	2.2	6.3	6.2	3.3	1.5	.8	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	974	5
3-4	.0	.6	2.0	2.1	1.0	.5	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	374	6
5-6	.0	.8	.7	.5	.3	.3	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	130	5
7-9	.0	.0	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	85	5
10-11	.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	7
INDECT	8.5	1.9	1.5	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	622	1
TOTAL	641	1036	1254	844	398	142	105	34	45	14	7	1	0	0	0	0	0	0	0	4605	4
PCT	14.4	22.5	27.2	16.4	8.6	4.0	2.3	.7	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1860-1979

FEBRUARY

AREA 0010 NICARAGUA SW COAST
9.6N 86.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHNR	DRZL	FRZG PCPN	SNO	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THDP LTNG	FOG NO PCPN	FOG NO PAST HR	SHOKE HAZE	SPRAY BLVG DUST SIG
N	.0	.1	.0	.0	.0	.0	.0	.1	.4	.4	.1	.0	1.4	.0
NE	.1	.1	.1	.0	.0	.0	.0	.1	.1	.6	.1	.0	1.4	.0
E	.2	.2	.1	.0	.0	.0	.0	.4	.1	.5	.0	.0	1.8	.0
SE	1.3	.9	.0	.0	.0	.0	.0	2.1	.0	.3	.0	.0	.7	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.6	.0	.0	1.7	.0
SW	.4	.0	.0	.0	.0	.0	.0	.4	.2	1.3	.0	.0	.4	.0
W	.0	.4	.0	.0	.0	.0	.0	.4	.4	.5	.4	.0	1.3	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.3	.9	.6	.0	.6	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.2	.0	.0	.0	.0	.2	.3	.5	.5	.2	2.8	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.3	.6	.2	.4	1.5	.0
TOT OBS: 5641														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHNR	DRZL	FRZG PCPN	SNO	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THDP LTNG	FOG NO PCPN	FOG NO PAST HR	SHOKE HAZE	SPRAY BLVG DUST SIG
0000	.1	.1	.1	.0	.0	.0	.0	.1	.3	.1	.2	.0	1.7	.0
0600	.2	.1	.1	.0	.0	.0	.0	.4	.2	1.6	.1	.0	1.4	.0
1200	.1	.1	.1	.0	.0	.0	.0	.3	.4	.3	.1	.1	1.6	.0
1800	.1	.1	.0	.0	.0	.0	.0	.2	.2	.1	.3	.0	1.2	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.3	.5	.2	.4	1.5	.0
TOT OBS: 6051														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	2.4	9.3	4.4	.5	.1	.0		16.7	9.0		15.5	10.5	11.7	17.0	20.1	16.8	19.4
NE	1.6	15.9	13.1	3.1	.2	.0		29.0	15.1		24.2	20.6	23.3	25.9	33.0	31.6	29.8
E	1.1	5.7	6.9	1.5	.1	.0		15.3	12.6		13.3	14.5	16.4	13.6	14.2	14.9	16.4
SE	.9	1.6	.8	.1	.0	.0		3.2	7.8		4.4	4.5	3.8	5.3	1.6	3.1	2.2
S	.8	1.6	.2	.0	.0	.0		2.8	5.9		5.1	4.2	2.4	7.6	1.6	2.7	3.3
SW	1.1	2.6	.2	.0	.0	.0		3.9	5.7		6.0	7.9	4.5	4.6	2.0	2.4	2.7
W	2.1	6.6	.5	.0	.0	.0		9.2	5.8		13.1	13.3	10.6	10.8	7.5	8.5	6.2
NW	2.1	6.2	.9	.0	.0	.0		9.3	6.5		8.2	14.7	9.5	11.1	9.9	11.6	8.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	10.8							10.8	.0		9.8	9.8	17.4	9.2	10.0	6.4	7.7
TOT OBS	1505	2958	1787	341	24	2	4617		9.0		136.4	143	142.0	174	145.4	235	164.6
TOT PCT	22.7	44.7	27.0	5.2	.4	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	18
N	6.9	8.0	1.6	.2	.0			16.7	9.0	15.0	12.3	19.3
NE	6.2	14.1	7.7	.8	.1			29.0	13.1	23.8	23.6	34.3
E	3.7	7.1	4.0	.4	.0			15.3	12.6	13.4	16.5	16.3
SE	1.7	1.3	.2	.0	.0			3.2	7.8	4.6	4.0	2.5
S	1.9	.8	.1	.0	.0			2.8	5.9	5.0	2.4	2.2
SW	2.6	1.2	.0	.0	.0			3.9	5.7	6.2	4.5	3.0
W	6.2	2.9	.1	.0	.0			9.2	5.8	13.1	10.6	6.2
NW	5.6	3.4	.2	.0	.0			9.3	6.5	8.8	9.7	8.5
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
CALM	10.8							10.8	.0	9.8	16.5	7.7
TOT OBS	3029	2570	919	93	6	6617		9.0		151.1	154.4	181.3
TOT PCT	45.8	38.8	13.9	1.4	.1			100.0		100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1962-1979

FEBRUARY

AREA CD10 NICARAGUA SW COAST
9.6N 86.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+				
0700	9.8	14.4	50.6	23.0	2.1	.1	.1	7.8	100.0	1511	
0800	16.5	10.7	44.5	23.2	4.5	.5	.0	8.2	100.0	1594	
1200	9.5	11.0	43.7	29.1	6.2	.4	.0	9.4	100.0	1699	
1800	7.7	12.0	40.8	31.7	7.3	.4	.1	10.1	100.0	1813	
TOT	71.3	75.2	295.8	174.7	34.1	24	2	9.0		6617	
PCT	13.6	12.0	44.7	27.0	5.2	.4	0	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CDS	MEAN CLOUD COVER
N	11.7	2.4	2.3	.3	1.0	
NE	22.5	3.5	2.4	.3	1.4	
E	12.7	1.6	1.2	.2	1.3	
SE	2.0	.5	.3	0	1.0	
S	1.4	.4	.7	.1	1.0	
SW	1.9	.8	.7	.2	2.9	
W	5.1	2.1	1.4	.3	2.6	
NW	4.1	1.4	1.5	.2	2.4	
VAR	.0	.0	.0	.0	.0	
CALM	7.9	1.6	1.4	.3	1.4	
TOT OBS	34.00	71.4	62.0	96	463.0	1.8
TOT PCT	70.4	14.5	12.4	2.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NH C5/E BY WIND DIRECTION

NOO	152	300	600	1000	2000	3500	5000	6500	8000+	NH C5/E	TOTAL
149	293	595	999	1099	3499	4999	6499	7999		ANY HGT	OBS
N	0	.0	0	.1	.3	.2	.1	.1	0	15.8	
NE	0	.7	0	.2	.3	.1	.2	.1	.1	24.1	
E	.0	0	.2	.2	.1	.1	0	0	0	15.0	
SE	.0	.0	.0	0	0	.0	.0	0	0	2.8	
S	0	.0	0	.1	.2	.1	0	0	0	2.3	
SW	.0	0	0	.1	.7	.1	0	.0	0	3.2	
W	0	.0	.2	.4	.3	.1	0	.0	0	8.2	
NW	0	.0	.2	.3	.3	.1	.1	.0	0	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	0	.1	0	.3	1	.1	.0	.0	10.4	
TOT OBS	6	3	12	55	105	67	31	19	9	451.3	483.0
TOT PCT	.1	.1	.2	1.1	2.2	.4	.6	.4	.2	93.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	> OR >10	> OR >5	> OR >2	> OR >1	> OR >1/2	> OR >1/4	> OR >50YD	> OR >0
> OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
> OR >5000	.7	.8	.8	.8	.8	.8	.8	.8
> OR >3500	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
> OR >2000	2.6	2.7	2.9	2.8	2.8	2.8	2.8	2.8
> OR >1000	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9
> OR >400	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
> OR >300	5.9	6.2	6.3	6.3	6.3	6.3	6.3	6.3
> OR >150	5.9	6.2	6.3	6.3	6.3	6.3	6.3	6.3
> OR >0	6.0	6.3	6.4	6.4	6.4	6.4	6.4	6.4
TOTAL	247	314	370	320	370	320	320	321

TOTAL NUMBER OF OBS: 4460

PCT FREQ NH C5/E: 93.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

G	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
47.7	22.5	17.5	6.9	3.9	2.3	1.8	1.5	.8	.1	5287

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1967-1979AREA: OCIO NICARAGUA SW COAST
9.0N 86.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	16.3	27.7	14.9	2.9	2.9	3.7	9.0	8.6	.0	9.9	95.5	
	TOT %	16.3	27.7	14.9	2.9	2.9	3.7	9.0	8.6	.0	9.9	95.5	
TOT OBS													5831
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	2.2	1.5	1.0	.8	.7	.9	1.4	1.4	.0	9.5	20.8	
	4-10	9.0	10.4	5.4	1.2	1.7	2.5	6.4	5.8	.0	42.7	26.6	
	11-21	4.4	12.4	6.9	.6	.2	.2	.5	.9	.0	24.6	5.3	
	22+	.6	3.1	1.5	.1	.0	.0	.0	.0	.0	9.9	95.5	
	TOT %	16.2	27.8	14.9	2.6	2.7	3.6	8.9	8.5	.0	9.9	95.5	
TOT OBS													5179
TOT PCT													100.0

FEBRUARY

 PERIOD: (PRIMARY) 1952-1979
 (OVER-ALL) 1967-1979

TABLE 10

 AREA 0010 NICARAGUA SM COAST
 9.64 86.80

 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/8) AND
 OCCURRENCE OF NH C/F8 BY HOUR

HOUR (GMT)	0-20	30-59	60-89	90-100	100-199	200-349	350-499	500-649	650-799	800+	TOTAL	NH C/F8 ALL MGT	TOTAL OBS
0000Z	.2	.2	.3	1.2	1.9	1.3	.6	.8	.2	.3	6.9	93.1	1295
0600Z	.0	.0	.2	.8	2.4	1.3	.6	.2	.1	.1	5.8	98.2	1236
1201Z	.2	.1	.4	1.5	2.5	1.5	.6	.1	.3	.3	7.7	92.3	1368
1802Z	.1	.0	.0	.7	1.1	1.0	.6	.4	.1	.1	4.2	95.8	1372
TOT	7	3	12	55	106	66	32	19	6	10	323	4948	5271
PCT	.1	.1	.2	1.0	2.0	1.3	.6	.4	.2	.2	4.1	93.9	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.1	.1	.5	3.4	55.6	1491
0600Z	.1	.0	.0	.7	5.1	98.1	1536
1201Z	.1	.0	.1	.4	3.8	95.6	1645
1802Z	.1	.1	.0	.5	3.2	96.2	1716
TOT	6	2	3	34	248	5096	6392
PCT	.1	.0	.0	.5	3.9	95.4	100.0

TABLE 12

 CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
 CEILING MGT (FEET, AM 24/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1000	<1000 <5000	AND 5+	TOTAL OBS	
0000Z	.2	.6	2.3	5.4	92.4	1233
0600Z	.1	.3	1.6	4.4	92.5	1174
1201Z	.2	.9	2.7	5.9	91.4	1263
1802Z	.2	.3	1.1	3.5	95.5	1300
TOT	8	37	95	244	4651	4990
PCT	.2	.5	1.9	4.9	93.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
90/94	.0	.0	.1	.3	.4	.1	.0	.0	42	.8
85/89	.0	.0	.3	.9	2.6	2.7	.5	.1	360	7.1
80/84	.0	.0	1.1	1.0	8.5	27.0	14.6	2.8	2754	53.9
75/79	.0	.0	.0	.2	1.3	9.8	15.2	6.6	1690	33.1
70/74	.0	.0	.0	.0	.0	.5	2.8	2.3	248	4.9
65/69	.0	.0	.0	.0	.0	.0	.0	.1	8	.2
TOTAL	0	1	21	114	867	2047	1657	605	5106	100.0
PCT	.0	.0	.4	2.3	12.9	40.1	32.5	11.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.1	.1	.0	.0	.1	.1	.0
85/89	.2	.2	.1	.1	.0	.0	.1	.1	.0
80/84	1.2	1.5	.9	.4	.2	.4	.9	.9	.0
75/79	9.4	13.4	7.5	1.7	1.7	2.6	6.2	5.2	.0
70/74	5.1	12.1	5.9	.7	.6	.7	2.3	2.3	.0
65/69	.8	2.2	.7	.0	.0	.0	.2	.2	.0
TOTAL	.0	.1	.0	.0	.0	.0	.0	.0	.0
16.8	29.6	15.0	2.8	2.5	3.7	9.6	8.7	.0	11.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	94	95	86	61	75	73	68	87.0	1568
0600Z	95	84	83	50	74	71	68	79.3	1645
1201Z	84	85	83	75	73	70	68	79.8	1724
1802Z	97	91	84	62	75	73	68	82.0	1455
TOT	97	89	86	60	75	72	68	80.3	6792

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.9	12.7	46.8	29.5	9.6	72	1267
0600Z	.0	.5	7.0	35.9	39.2	17.5	81	1277
1201Z	.0	1.4	9.5	36.4	36.4	16.3	80	1353
1802Z	.0	6.4	22.0	41.5	25.0	5.0	74	1388
TOT	0	139	679	2118	1710	635	78	5285

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1975AREA CODE NICARAGUA SW COAST
9.6° 86.8°

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 68	69 72	70 74	71 76	72 80	73 84	74 88	75 92	>92	TOT FOG	40 FOG
17/19	0	0	0	0	0	0	0	0	0	3	0
14/16	0	0	0	0	0	0	0	0	0	8	0
11/13	0	0	0	0	0	0	0	0	0	42	0
9/10	0	0	0	0	0	0	0	0	0	77	0
7/9	0	0	0	0	0	0	0	0	0	124	0
4	0	0	0	0	0	0	0	0	0	110	0
5	0	0	0	0	0	0	0	0	0	210	0
4	0	0	0	0	0	0	0	0	0	226	0
3	0	0	0	0	0	0	0	0	0	272	0
2	0	0	0	0	0	0	0	0	0	404	0
1	0	0	0	0	0	0	0	0	0	521	0
0	0	0	0	0	0	0	0	0	0	789	0
-1	0	0	0	0	0	0	0	0	0	654	0
-2	0	0	0	0	0	0	0	0	0	674	0
-3	0	0	0	0	0	0	0	0	0	433	0
-4	0	0	0	0	0	0	0	0	0	368	0
-5	0	0	0	0	0	0	0	0	0	234	0
-6	0	0	0	0	0	0	0	0	0	115	0
-7/-3	0	0	0	0	0	0	0	0	0	124	0
-9/-10	0	0	0	0	0	0	0	0	0	31	0
-11/-13	0	0	0	0	0	0	0	0	0	4	0
-14/-16	0	0	0	0	0	0	0	0	0	1	0
TOTAL	5	0	0	0	0	0	0	0	0	5526	0
PCT	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.6	0.0

PERIOD: (OVER-ALL) 1952-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
61	1.4	1.5	1.1	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
1-2	0.7	0.7	1.1	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	8.6
3-4	0.7	1.7	2.5	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	7.9
5-6	0.1	0.7	0.8	0.2	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	4.7
7	0.0	0.1	0.6	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.1
8-9	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
10-11	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41-48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT PCT	2.3	8.6	5.4	0.5	0.0	0.0	16.9	1.4	11.7	12.0	2.4	0.2	0.2	26.4

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

AREA CODE NICARAGUA SW COAST
9.64 86.86

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	SW						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
0-1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1-2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3-4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5-6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8-9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10-11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
13-16	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
17-19	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
20-22	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
23-25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
26-32	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
33-40	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
41-48	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49-50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
61-70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
71-86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87+	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TOT PCT	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2

HGT	SW						PCT	SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
0-1	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	87.4
1-2	1.2	3.5	1.2	1.2	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	
3-4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
5-6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
8-9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
10-11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
13-16	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
17-19	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
20-22	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
23-25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
26-32	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
33-40	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
41-48	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
49-60	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
61-70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
71-86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
87+	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
TOT PCT	1.2	7.2	1.2	1.2	1.2	1.2	1.2	1.2	6.4	1.2	1.2	1.2	1.2	8.7	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
0-1	10.6	10.4	1.2	1.2	1.2	1.2	10.5	1351
1-2	1.2	23.5	6.0	1.2	1.2	1.2	33.5	
3-4	1.2	8.4	9.7	1.2	1.2	1.2	19.4	
5-6	1.2	2.2	5.7	1.2	1.2	1.2	9.5	
7	1.2	1.2	2.7	1.2	1.2	1.2	4.6	
8-9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
10-11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
13-16	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
17-19	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
20-22	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
23-25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
26-32	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
33-40	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
41-48	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
49-60	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
61-70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
71-86	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
87+	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
TOT PCT	24.4	64.9	25.7	4.1	1.2	1.2	100.0	

PERIOD: (OVER-ALL) 1969-1976

TABLE 16

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	0-1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
0-1	16.9	16.9	16.9	7.3	3.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2275	3
2-3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	849	5
4-5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	332	5
6-7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	138	4
8-9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	101	5
10-11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	68	8
12-13	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	658	1
14-15	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	426	3
TOTAL	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	100.0	
PCT	17.2	22.5	26.4	16.4	9.6	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1877-1974

MARCH

AREA 2010 NICARAGUA SW COAST
9-6N 86-7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SH-R	RAIN SH-L	DRZL	FRZG PCPN	SNDW	OTHER FRZG PCPN	HAIL	PCPN AT OVR TIME	PCPN PAST HOUR	THDP LING	FOG W0 PCPN	FOG W0 PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
N	.1	.3	.0	.0	.0	.0	.0	.4	.2	.3	.1	.1	2.8	.1	96.1
NE	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	7.3	.1	95.2
E	.3	.1	.0	.0	.0	.0	.0	.4	.1	.7	.3	.0	4.7	.2	93.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.1	.0	4.1	.0	94.7
S	.3	.0	.0	.0	.0	.0	.0	.3	.5	.8	.4	.0	7.1	.3	93.9
SW	.4	.3	.3	.0	.0	.0	.0	1.0	.3	2.2	.0	.0	3.5	.1	92.4
W	.1	.3	.2	.0	.0	.0	.0	.3	.4	.1	.1	.0	3.7	.0	95.1
NW	.1	.2	.2	.0	.0	.0	.0	.4	.4	.8	.2	.0	2.5	.0	95.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.0	.0	.0	.0	.1	.7	.0	.7	.0	7.0	.1	90.4
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.2	.7	.3	.1	4.0	.1	94.6
TOT OBS:	6554														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SH-R	RAIN SH-L	DRZL	FRZG PCPN	SNDW	OTHER FRZG PCPN	HAIL	PCPN AT OVR TIME	PCPN PAST HOUR	THDP LING	FOG W0 PCPN	FOG W0 PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
0500	.1	.0	.0	.0	.0	.0	.0	.1	.1	.3	.0	.0	3.0	.0	96.7
0600	.1	.1	.1	.0	.0	.0	.0	.3	.2	1.9	.4	.0	4.5	.0	92.7
1200	.2	.3	.1	.0	.0	.0	.0	.6	.2	.7	.7	.1	4.5	.1	93.1
1800	.1	.0	.1	.0	.0	.0	.0	.2	.3	.0	.2	.0	3.5	.2	95.7
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.3	.2	.7	.3	.1	7.0	.1	94.6
TOT OBS:	6750														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	2.9	8.4	3.1	.2	.0	.0		14.7	7.9	12.8	9.4	10.2	11.4	17.0	14.1	17.7	16.7	
NE	2.2	11.5	10.5	2.5	.1	.0		26.7	12.0	22.0	16.7	27.2	24.2	30.3	27.6	33.6	26.3	
E	1.4	6.0	6.2	1.5	.1	.0		15.3	12.3	12.9	15.4	15.0	14.5	14.7	14.9	17.4	14.5	
SE	.8	1.4	.7	.0	.0	.0		3.3	7.3	4.2	7.7	3.8	5.3	2.3	1.3	2.4	3.0	
S	1.1	2.3	.3	.0	.0	.0		3.7	5.6	2.4	4.2	3.7	4.3	1.5	2.3	2.6	2.2	
SW	1.3	3.3	.2	.0	.0	.0		5.1	5.9	6.3	4.2	5.6	4.7	3.0	5.1	2.3	7.1	
W	2.4	6.4	.6	.0	.0	.0		9.4	5.8	12.6	15.4	11.2	8.3	7.8	9.5	6.3	11.3	
NW	2.4	7.1	.9	.0	.0	.0		10.5	6.3	9.9	12.9	10.8	14.2	11.2	13.0	8.6	13.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	11.4							11.4	.0	4.0	8.8	18.7	17.0	11.8	7.2	4.4	4.7	
TOT OBS	1400	3439	1666	313	15	0	7341		6.2	1551	114	1586	160	1624	235	1894	172	
TOT PCT	20.0	46.8	22.7	4.2	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3a

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	09	18
N	7.2	6.3	1.1	.0	.0		14.7	7.9	12.8	10.4	17.3
NE	6.9	13.2	6.2	.6	.0		26.7	12.0	21.4	20.6	26.9
E	4.2	7.7	3.5	.4	.0		15.3	12.3	13.1	15.7	17.4
SE	1.6	1.3	.2	.0	.0		3.3	7.3	4.4	4.0	2.2
S	2.6	1.0	.0	.0	.0		3.7	5.6	7.1	3.8	1.6
SW	3.3	1.7	.1	.0	.0		5.1	5.9	6.3	5.7	2.7
W	6.4	3.0	.1	.0	.0		9.4	5.8	12.8	10.9	8.0
NW	6.5	3.8	.1	.0	.0		10.5	6.3	10.1	11.1	11.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	11.4						11.4	.0	6.9	17.9	11.3
TOT OBS	705	2735	627	73	7341			6.2	1655	1746	1864
TOT PCT	10.5	37.3	11.3	1.0			100.0		100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1974
(OVER-FLY) 1972-1979

PARCH

AREA 0010 NICARAGUA SW COAST
9.04 86.76

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GPT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT	TOTAL
		1-3	4-10	11-21	22-33	34-47	48+		
0500Z	0.9	17.6	54.5	16.9	1.4	.1	.0	7.2	100.0
0600Z	17.9	15.7	45.2	17.8	1.1	.3	.0	7.1	100.0
1200Z	11.3	12.1	44.8	24.7	6.0	.1	.0	6.7	100.0
1800Z	8.1	12.4	43.9	29.7	5.7	.3	.0	9.5	100.0
TOT	429	1049	3439	1665	313	15	.0	8.2	7341
PCT	11.4	14.6	46.8	22.7	4.3	.2	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	PERCENT	WIND COVER
N	9.0	2.2	2.2	.0	2.2		2.2
NE	14.2	4.2	3.1	.5	1.8		1.8
E	11.4	2.1	1.7	.5	1.7		1.7
SE	1.8	.5	.5	.2	2.5		2.5
S	2.0	.7	.9	.2	2.9		2.9
SW	2.6	1.2	.9	.3	2.7		2.7
W	5.0	2.2	1.7	.5	2.7		2.7
NW	5.6	2.1	1.7	.6	2.7		2.7
WSP	.0	.0	.0	.0	2.0		2.0
CALM	7.8	1.9	1.5	.5	2.0		2.0
TOT OBS	3492	929	769	211	5400		2.1
TOT PCT	64.7	17.2	14.2	3.9	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) AND
OCCURRENCE OF AMOUNT BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	TOTAL
WIND DIR	0-2	3-4	5-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	OBS
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AMOUNT) AND WSP (IN)

CEILING (FEET)	WSP (KNOTS)							
	≤ 00	≤ 05	≤ 10	≤ 15	≤ 20	≤ 25	≤ 30	≤ 35
≤ 00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 25	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≤ 35	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTAL	375	348	305	308	308	308	401	401

TOTAL NUMBER OF OBS: 5578

PCT FREQ AMOUNT: 92.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
07-2	16.5	12.6	4.5	0.8	2.5	2.1	1.7	1.2	.1	58.6

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979

WADSW

AREA 0010 NICARAGUA SW COAST
9.6N 86.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (M)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
CL/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2-1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2-5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	13.6	25.5	14.3	2.9	7.6	4.5	8.4	6.2	10.6	92.7	92.7	
	TOT 1	13.6	25.5	14.3	2.9	7.6	4.5	8.4	6.2	10.6	92.7	92.7	
	TOT 2	13.6	25.5	14.3	2.9	7.6	4.5	8.4	6.2	10.6	92.7	92.7	
6540													
TOT OBS													
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (M)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
CL/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2-1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2-5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	2.5	1.8	1.2	.7	1.0	1.2	2.1	2.1	.7	10.6	23.1	
	4-10	7.6	11.7	5.0	1.5	2.1	2.9	6.0	6.4	.0	23.4	23.4	
	11-21	3.0	10.1	6.1	.6	.2	.3	.6	.6	.0	22.0	22.0	
	22+	.2	2.4	1.9	.0	.0	.0	.0	.0	.0	6.0	6.0	
6547													
TOT OBS													
TOT PCT													

PERIOD: (PD1-ARV) 1953-1979
(CV12-ALL) 1972-1979

PAREN

AREA 0010 NICARAGUA SW COAST
8.6° 86.74°

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, MM 24/8) AND
OCCURRENCE OF NM 45/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NM 45/8 ANY HGT	TOTAL OBS
0000Z	.1	.1	.2	.7	1.7	1.5	.8	.1	.2	.5	6.0	96.0	1421				
0600Z	.3	.1	.1	.9	2.7	1.0	.5	.2	.2	.3	6.4	92.6	1396				
12015	.3	.1	.1	2.2	2.7	1.3	.5	.3	.3	.5	6.3	91.7	1509				
18021	.1	.0	.1	.8	3.0	1.1	.9	.3	.2	.4	6.6	93.1	1568				
TOT	11	5	8	68	167	73	39	14	14	25	404	5643	5844				
PCT	.2	.1	.1	1.2	2.5	1.2	.7	.2	.2	.4	6.9	92.1	100.0				

TABLE 11

PERCENT FREQUENCY USAY (1/4) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.0	.1	.1	.7	5.2	96.0	1643
0600Z	.1	.0	.2	1.1	2.9	90.7	1693
12015	.3	.1	.2	1.1	7.7	90.6	1927
18021	.0	.0	.2	1.0	4.3	94.5	1936
TOT	8	2	11	89	444	5567	7102
PCT	.1	.0	.2	1.6	6.3	92.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF USBY (NM) AND/OR
CEILING HGT (FEET, MM 24/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	<1000 AND 5+	NM 45/8 AND 5+	TOTAL OBS
0000Z	.1	.4	1.6	4.4	93.5	1359
0600Z	.3	.5	2.4	5.1	92.5	1286
12015	.3	.8	3.5	5.8	90.7	1639
18021	.1	.2	1.5	5.9	92.6	1994
TOT	12	27	127	103	5148	5578
PCT	.2	.5	2.3	5.4	92.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-24	25-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/99	.0	.0	.0	.0	.0	.0	.0	.0	4	.1
05/99	.0	.0	.0	.3	.5	.1	.1	.0	65	1.1
05/99	.0	.0	.0	.0	4.0	5.5	1.4	.4	730	12.9
05/99	.0	.0	.1	.9	9.4	27.6	19.3	3.9	3465	61.2
75/76	.0	.0	.0	.0	.5	5.9	11.4	5.1	1296	22.9
70/76	.0	.0	.0	.0	.1	.4	1.0	.0	96	1.7
65/65	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	1	14	122	814	2230	1481	590	5653	100.0	
PCT	.0	.0	.3	2.2	14.4	26.4	32.1	10.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	COLM
05/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
05/99	.2	.3	.1	.0	.0	.0	.2	.1	.0	.2
05/99	2.3	2.4	1.4	.6	.7	.7	1.7	1.8	.0	1.3
05/99	9.0	15.3	8.9	2.1	2.2	3.7	6.4	6.2	.0	7.4
75/76	2.8	8.4	4.9	.4	.5	.5	1.1	1.8	.0	2.7
70/76	.2	1.0	.3	.0	.0	.0	.0	.0	.1	.1
65/65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	14.4	27.3	15.4	3.1	3.4	4.9	9.4	10.1	.0	11.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TL-1 (DEF F) BY HOUR

HOUR (GMT)	MAX	MIN	501	51	11	21	MEAN	TOTAL OBS
0000Z	94	89	86	82	77	74	82	1712
0600Z	89	84	84	81	76	73	86	1797
12015	89	84	84	80	75	72	87	1913
18021	97	91	89	83	77	75	92	2121
TOT	69	90	87	82	76	72	81.5	7543

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-24	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.3	14.0	45.2	31.4	8.1	78	1396
0600Z	.0	.6	7.6	36.5	45.0	15.3	81	1401
12015	.0	1.0	9.9	33.9	39.4	15.8	81	1501
18021	.0	6.4	25.2	42.2	22.7	3.5	76	1565
TOT	.0	141	845	2312	1947	618	78	5863

MARCH

 PERIOD: (PRIMARY) 1953-1979
 (OVER-ALL) 1972-1979

TABLE 17

 AREA 0010 NICARAGUA SW COAST
 9.6N 86.7W

 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
 VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 68	69 72	71 74	73 76	75 78	77 80	79 82	81 84	83 86	85 88	87 90	>92	TOT	% FOG	% FOS
26/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
14/14	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	11	.0	.2
11/11	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.0	.0	42	.0	.7
9/12	.0	.0	.0	.0	.0	.4	.4	.1	.0	.0	.0	.0	67	.0	1.1
7/8	.0	.0	.0	.0	.5	.9	.6	.3	.1	.0	.0	.0	146	.0	2.4
6	.0	.0	.0	.0	.5	.8	.5	.2	.0	.0	.0	.0	125	.0	2.0
5	.0	.0	.2	.7	1.1	.6	.4	.0	.0	.0	.0	.0	272	.0	5.2
4	.0	.0	.7	1.2	1.6	1.2	.3	.0	.0	.0	.0	.0	287	.0	4.6
3	.0	.0	.7	1.2	1.4	1.2	.7	.0	.0	.0	.0	.0	300	.0	4.8
2	.0	.0	1.2	2.7	2.8	.7	.1	.0	.0	.0	.0	.0	546	.0	8.8
1	.0	.0	2.3	4.4	1.6	.1	.0	.0	.0	.0	.0	.0	564	.0	9.1
0	.0	.0	.7	3.9	8.1	1.8	.0	.0	.0	.0	.0	.0	904	.0	14.5
-1	.0	.0	.7	2.9	6.6	1.1	.0	.0	.0	.0	.0	.0	707	.0	11.4
-2	.0	.0	.7	3.5	7.7	.4	.0	.0	.0	.0	.0	.0	749	.1	12.0
-3	.0	.0	.4	3.0	4.9	.2	.0	.0	.0	.0	.0	.0	525	.0	8.5
-4	.0	.0	.2	2.6	5.9	.0	.0	.0	.0	.0	.0	.0	444	.0	7.2
-5	.0	.0	.3	1.9	2.0	.1	.0	.0	.0	.0	.0	.0	267	.0	4.3
-6	.0	.1	.1	1.2	.5	.0	.0	.0	.0	.0	.0	.0	130	.0	2.1
-7/-8	.0	.0	.3	1.1	.5	.0	.0	.0	.0	.0	.0	.0	122	.0	2.0
-9/-10	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	25	.0	.4
-11/-13	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	21	.0	.4
TOTAL	4	38	165	299	494	122	108	15	15	15	15	15	6104	20	6174
PCT	.1	.3	6.2	29.9	49.4	12.2	1.7	.2	.2	.2	.2	.2	100.0	.2	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	1.2	2.0	.1	.0	.0	.0	3.2	1.2	2.2	.0	.0	.0	.0	3.3
3-4	.6	5.0	.9	.0	.0	.0	6.5	.6	1.6	1.8	.0	.0	.0	8.1
5-6	.3	1.9	1.4	.0	.0	.0	4.2	.1	3.2	1.7	.3	.0	.0	7.2
7	.1	.4	.7	.0	.0	.0	1.2	.0	.5	4.1	.4	.0	.0	5.1
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.1	1.8	1.1	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.1	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.5
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	9.3	3.5	.1	.0	.0	15.4	1.9	11.6	12.0	2.6	.1	.0	28.2

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	.4	1.2	.0	.0	.0	.0	1.6	.4	.6	.0	.0	.0	.0	.9
3-4	.0	2.6	1.3	.0	.0	.0	4.3	.2	.7	.4	.0	.0	.0	1.2
5-6	.0	1.8	1.2	.1	.0	.0	3.8	.0	.1	.1	.0	.0	.0	.2
7	.0	.5	1.3	.4	.1	.0	2.7	.0	.1	.2	.0	.0	.0	.3
8-9	.0	.1	.6	.3	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.1	.2	.3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	6.3	5.3	1.6	.1	.0	14.0	.5	1.5	.7	.0	.0	.0	2.7

PERIOD: (OVER-ALL) 1963-1970

MARCH

AREA 0010 NICARAGUA SW COAST
9.6N 86.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.6	.1	.0	.0	.0	.9	.7	.8	.0	.0	.0	.0	1.5
1-2	.0	1.2	.1	.0	.0	.0	1.3	.2	2.1	.2	.0	.0	.0	2.6
3-4	.0	.5	.0	.0	.0	.0	.7	.2	.8	.2	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.3	.3	.0	.0	.0	2.9	1.1	3.7	.5	.0	.0	.0	5.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	.6	.1	.0	.0	.0	.9	.7	.8	.0	.0	.0	.0	.0	3.0
1-2	.0	1.2	.1	.0	.0	.0	1.3	.2	2.1	.2	.0	.0	.0	.0	6.3
3-4	.0	.5	.0	.0	.0	.0	.7	.2	.8	.2	.0	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	7.4	.9	.0	.0	.0	10.2	1.9	7.7	1.0	.0	.0	.0	10.6	69.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	18.9	12.0	.1	.0	.0	.0	.0	31.0
1-2	3.9	25.1	5.4	.0	.0	.0	.0	34.4
3-4	.7	2.6	6.2	.4	.0	.0	.0	19.0
5-6	.1	1.7	6.2	1.1	.1	.0	.0	9.2
7	.0	.2	2.6	1.3	.0	.0	.0	4.2
8-9	.0	.1	.5	.7	.1	.0	.0	1.3
10-11	.0	.0	.2	.3	.0	.0	.0	.5
12	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	22.7	44.7	23.4	4.0	.2	.0	100.0	1492

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.1	19.0	14.1	6.5	2.3	1.1	.3	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2582	3
6-7	.2	2.5	5.5	5.2	2.2	1.2	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	896	5
8-9	*	1.1	2.4	1.7	1.0	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	360	5
10-11	.0	.9	1.1	.8	.3	.2	*	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	177	4
12-13	.0	.0	1.0	.5	.4	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	5
>13	.0	.0	.0	.5	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	6
INDET	11.9	1.8	2.1	.9	.4	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	859	1
TOTAL	110	1267	1377	804	345	157	79	23	19	8	0	0	0	0	0	0	0	0	0	5019	3
PCT	20.1	25.2	26.0	16.0	6.9	3.1	1.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PPHARY) 1953-1979
(OVER-ALL) 1962-1979

APRIL

AREA CODE NICARAGUA SW COAST
9.6N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	.1	.5	.1	.0	.0	.0	.0	.6	.7	.0	.1	.0	.3	.0	94.9
NE	.4	.2	.0	.0	.0	.0	.0	.7	.0	1.4	.2	.0	.0	.3	93.4
E	.3	.2	.0	.0	.0	.0	.0	.9	.6	1.4	.1	.0	.5	.1	91.2
SE	1.7	.7	.4	.0	.0	.0	.0	2.7	2.2	3.6	.6	.0	2.6	.0	88.5
S	1.5	.2	.2	.0	.0	.0	.0	2.6	3.4	2.3	.2	.0	1.9	.0	88.1
SW	1.2	1.0	.3	.0	.0	.0	.0	2.4	1.7	3.0	.1	.0	.6	.0	87.3
W	.3	.5	.5	.0	.0	.0	.0	1.4	1.0	4.1	.3	.0	3.6	.0	88.6
NW	.5	.1	.8	.0	.0	.0	.0	1.3	1.2	2.1	.4	.0	.0	.0	90.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.6	.0	.0	.0	.0	.0	.8	.4	2.1	1.0	.1	.0	.0	86.3
TOT PCT	.5	.4	.3	.0	.0	.0	.0	1.2	1.0	2.2	.3	.0	.9	.1	90.4
TOT OBS	6206														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	MAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	.4	.2	.1	.0	.0	.0	.0	.8	.0	.4	.1	.0	.5	.1	91.9
06009	.7	.3	.1	.0	.0	.0	.0	1.1	.7	5.7	.4	.0	.2	.2	86.9
12015	.5	.7	.7	.0	.0	.0	.0	2.1	1.6	2.3	.8	.0	.6	.1	88.8
18021	.4	.5	.2	.0	.0	.0	.0	1.1	1.1	.4	.2	.1	.3	.1	92.0
TOT PCT	.6	.4	.3	.0	.0	.0	.0	1.3	1.0	2.3	.4	.0	.9	.1	90.2
TOT OBS	6425														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	2.4	6.5	2.2	.1	.0	.0		11.2	7.7		8.4	9.6	6.4	10.4	14.5	15.1	14.3	13.0
NE	1.9	9.0	7.9	1.1	.0	.3		19.8	11.1		16.3	17.2	12.6	22.3	23.2	18.8	25.6	25.8
E	1.6	7.0	5.9	.7	.0	.0		15.1	10.7		12.3	12.4	15.6	15.3	15.6	16.2	17.2	9.4
SE	1.2	5.5	1.0	.0	.0	.0		5.7	7.2		7.1	4.7	8.0	4.4	3.1	6.7	4.6	7.2
S	1.6	4.4	.7	.0	.0	.0		6.8	6.3		10.8	8.1	7.3	6.9	4.7	6.3	4.3	7.9
SW	1.6	5.5	.4	.1	.0	.0		7.9	6.4		12.8	12.4	6.7	4.1	5.1	3.2	5.5	8.6
W	2.6	4.0	1.0	.0	.0	.0		11.7	6.2		14.4	11.7	13.8	13.3	10.8	13.3	4.4	4.7
NW	1.9	5.9	.9	.0	.0	.0		6.6	6.3		5.9	7.2	8.0	12.1	10.4	13.6	9.4	11.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	13.0							13.0	.0		12.0	12.6	10.4	6.4	13.1	7.7	9.5	7.0
TOT OBS	1933	3465	1413	141	3	0	6955		7.3		1485	135	1537	132	1597	156	1761	152
TOT PCT	27.8	49.8	20.3	2.0	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41-	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00 03	06 09	12 15	18 21
N	5.6	4.8	.7	.0	.0	11.2	7.7	8.5	6.8	14.6	14.2	
NE	5.9	9.8	4.3	.2	.0	19.8	11.1	16.4	13.4	22.8	25.6	
E	5.0	7.3	2.9	.0	.0	15.1	10.7	12.3	15.6	15.7	16.6	
SE	3.1	2.4	.2	.0	.0	5.7	7.2	7.3	7.7	3.4	4.8	
S	4.2	2.5	.1	.0	.0	6.8	6.3	10.5	7.2	4.4	5.5	
SW	4.9	2.8	.1	.0	.0	7.9	6.4	12.6	8.7	4.9	5.8	
W	7.3	4.3	.1	.0	.0	11.7	6.2	14.4	13.8	11.0	4.5	
NW	5.4	3.2	.1	.0	.0	6.6	6.3	6.0	8.4	10.7	9.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.0					13.0	.0	12.0	18.5	12.6	9.4	
TOT OBS	3785	2598	568	14	0	6955	7.3	1620	1669	1753	1913	
TOT PCT	44.4	27.2	8.2	.2	.0		100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1962-1979

APRIL

AREA 0010 NICARAGUA SW COAST
9.3N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	12.0	15.3	59.1	13.8	.7	.1	.0	6.4	100.0	1620
0600	10.5	15.2	49.2	15.8	1.3	.0	.0	6.3	100.0	1669
1200	12.6	14.3	45.4	24.6	3.1	.1	.0	7.9	100.0	1753
1800	9.4	14.4	47.5	25.8	2.0	.1	.0	6.3	100.0	1913
TOT	47.4	102.9	344.5	141.3	14.1	1	0	7.3		6955
PCT	13.0	14.8	49.6	20.3	2.0	.1	.0	10.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	3-4	4-7	8-11	TOTAL OBS	MEAN CLOUD COVER
N	4.6	2.7	2.4	1.1	3.5	
NE	10.1	8.6	4.1	.8	2.8	
E	8.0	3.1	3.4	.9	2.8	
SE	1.7	1.7	1.7	.4	4.1	
S	1.7	1.7	2.4	1.1	4.5	
SW	2.0	1.6	2.9	1.4	4.6	
W	3.5	2.4	4.9	1.5	4.2	
NW	2.8	2.1	2.7	1.0	3.9	
VAR	.0	.0	.0	.0	.0	
CALM	5.7	2.9	3.5	1.7	3.4	
TOT OBS	2074	1164	1427	517	5173	3.5
TOT PCT	40.1	22.5	27.6	10.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	259	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
.0	.0	.1	.3	.2	.4	.1	.0	.0	.0	9.5	
.0	.0	.0	.3	.3	.4	.3	.1	.0	.1	18.1	
.0	.0	.0	.3	.6	.7	.1	.1	.0	.1	13.7	
.0	.0	.1	.2	.4	.3	.1	.0	.0	.0	4.2	
.0	.0	.1	.2	.4	.4	.1	.0	.0	.0	5.2	
.0	.0	.0	.4	.6	.4	.3	.0	.0	.0	6.0	
.0	.0	.0	.4	1.0	.4	.2	.1	.0	.1	9.1	
.0	.0	.1	.4	.4	.3	.2	.0	.0	.0	7.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.1	.0	.1	.4	.6	.4	.3	.1	.1	.0	11.0	
14	6	27	169	300	166	85	24	8	19	4353	5173
.3	.2	.5	3.3	5.8	3.2	1.6	.5	.2	.4	84.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >500	= OR >0
= OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
= OR >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >3500	2.3	2.6	2.7	2.7	2.7	2.7	2.7	2.7
= OR >2000	5.0	5.8	5.9	5.9	5.9	5.9	5.9	5.9
= OR >1000	9.6	11.5	11.6	11.6	11.6	11.6	11.6	11.6
= OR >500	12.4	14.6	14.9	14.9	14.9	14.9	14.9	14.9
= OR >300	12.4	15.1	15.4	15.4	15.4	15.4	15.4	15.4
= OR >150	12.9	15.2	15.5	15.6	15.6	15.7	15.7	15.7
= OR >0	13.0	15.5	15.6	15.9	15.9	15.9	15.9	15.9
TOTAL	697	827	845	849	850	851	851	851

TOTAL NUMBER OF OBS: 5347

PCT FREQ NM <5/8: 84.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
29.5	18.7	16.2	12.0	7.9	4.5	4.3	3.4	3.7	.2	5605

PERIOD: (PRIMARY) 1953-1979
(COVER-ALL) 1962-1979

APRIL

AREA 0010 NICARAGUA SW COAST
9.6N 86.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	*	*	.0	.0	.0	.0	.0	*	*
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	TOT 1	.0	*	*	*	*	.0	.0	.0	.0	.0	*	*
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*
1<2	PCP	*	.0	*	.0	.0	*	*	.0	.0	.0	.1	.1
	NO PCP	*	.0	.0	.0	*	*	*	.0	.0	.0	*	*
	TOT 1	*	.0	*	.0	*	*	*	.0	.0	.0	.1	.1
2<5	PCP	*	*	*	*	*	.0	*	.0	.0	.0	.1	.1
	NO PCP	*	.1	*	*	.1	.1	.1	.1	.1	.1	.5	.5
	TOT 1	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	.5
5<10	PCP	*	.1	*	*	*	.1	*	.0	.0	.0	.4	.4
	NO PCP	.4	1.5	1.3	.6	.5	.5	1.0	1.0	.0	1.8	9.5	9.5
	TOT 1	.4	1.5	1.4	.7	.5	.5	1.1	1.1	.0	1.8	9.9	9.9
10+	PCP	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.5	.5
	NO PCP	10.2	14.2	13.9	4.7	6.1	6.9	10.4	7.4	.0	10.9	84.7	84.7
	TOT 1	10.2	14.2	13.9	4.8	6.1	6.9	10.5	7.4	.0	10.9	85.2	85.2
TOT OBS													
TOT PCT													
6194													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	*	.0	.0	.0	.0	*	*	*
	4-10	*	*	*	.0	*	.0	.0	*	.0	.0	.1	.1
	11-21	*	*	*	*	.0	.0	.0	.0	.0	.0	*	*
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	*	*	*	*	*	.0	.0	*	.0	*	.1	.1
1/2<1	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*	*
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	*	.0	.0	.0	.0	.0	.1	*	.0	*	.1	.1
	4-10	.0	.0	.0	.0	.0	*	.0	*	.0	.0	*	*
	11-21	*	.0	*	.0	*	.0	.0	*	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	*	.0	*	.0	*	.0	.1	*	.0	*	.1	.1
2<5	0-3	.0	.0	*	*	*	*	*	*	.0	.1	.3	.3
	4-10	*	*	*	.1	.1	.1	.1	.1	.0	.0	.4	.4
	11-21	*	.1	*	*	*	.1	*	.1	.0	.0	.3	.3
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	*	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1
5<10	0-3	.2	.2	.1	.2	.1	.2	.2	.3	.0	1.5	3.3	3.3
	4-10	.6	.8	.7	.4	.4	.6	.6	.6	.0	.0	4.8	4.8
	11-21	.1	.6	.5	.2	.1	.1	.2	.2	.0	.0	1.9	1.9
	22+	.0	.1	*	*	*	.0	.0	.0	.0	.0	.2	.2
	TOT 1	.8	1.7	1.4	.7	.6	.9	1.1	1.1	.0	1.5	10.2	10.2
10+	0-3	2.1	1.6	1.4	1.0	1.4	1.3	2.2	1.6	.0	10.9	23.6	23.6
	4-10	5.9	6.0	6.3	3.0	4.0	4.8	7.1	5.1	.0	.0	44.3	44.3
	11-21	2.1	7.4	5.5	.8	.6	.6	.9	.7	.0	.0	18.5	18.5
	22+	.1	1.1	.6	*	*	.1	*	.0	.0	.0	2.0	2.0
	TOT 1	10.2	16.1	13.9	4.8	6.0	6.9	10.2	7.3	.0	10.9	98.3	98.3
TOT OBS													
TOT PCT													
6969													

APRIL

PERIOD: (PRIMARY) 1951-1976
(OVER-ALL) 1967-1979AREA 0010 NICARAGUA SW COAST
9.6N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	TOTAL	FM 5/8 ANY HGT	TOTAL OBS
0000Z	.2	.1	.5	3.0	4.4	2.9	1.6	.6	.3	.6	14.1	45.9	1353														
0600Z	.5	.2	.6	2.5	5.6	2.1	2.2	.4	.2	.0	14.2	85.8	1283														
1201Z	.3	.2	.5	4.6	6.1	3.5	1.4	.1	.1	.6	17.4	82.6	1466														
1802Z	.1	.1	.4	2.5	6.1	3.7	1.2	.7	.3	.3	15.6	84.4	1452														
TOT	15	10	28	178	309	170	87	25	11	21	654	4700	5564														
PCT	.3	.2	.5	3.2	5.6	3.1	1.6	.5	.2	.4	15.4	84.6	100.0														

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.1	.2	1.1	9.2	89.4	1542
0600Z	.2	.0	.1	1.2	10.7	87.5	1610
1201Z	.1	.0	.3	1.3	10.9	87.3	1727
1802Z	.2	.1	.3	.4	10.9	89.4	1786
TOT	11	2	16	73	691	5922	6715
PCT	.2	.0	.2	1.1	10.9	88.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) 5/8 BY HOUR

HOUR (GMT)	<150 (500Y)	<600 (1000Y)	<1010 (1000Y)	1000+ AND 5+	NM 5/8 AND 5+	TOTAL OBS
0000Z	.2	.8	4.4	10.5	85.2	1310
0600Z	.5	1.3	4.6	10.8	84.6	1216
1201Z	.2	.9	6.7	11.9	81.4	1416
1802Z	.2	1.0	3.7	12.5	83.8	1405
TOT	15	54	240	617	4474	5347
PCT	.3	1.0	4.9	11.5	83.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/95	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
90/90	.0	.0	.1	.7	.8	.4	.1	.0	51	1.7
85/85	.0	.0	.1	.7	4.9	9.5	2.7	.4	977	14.2
80/80	.0	.0	.0	.5	6.4	25.5	28.7	5.8	3612	67.4
75/75	.0	.0	.0	.0	.2	1.7	6.4	3.9	602	12.3
70/70	.0	.0	.0	.0	.0	.0	.0	.1	19	.4
TOTAL	0	1	2	77	685	1966	2058	551	5363	100.0
PCT	.0	.0	.1	1.4	12.8	37.0	38.2	10.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.2	.3	.2	.1	.1	.1	.2	.2	.0	.2
2.5	3.1	2.1	1.0	1.5	1.8	2.4	1.9	.0	2.0
7.7	13.0	9.7	3.5	4.9	5.2	8.2	5.7	.0	9.2
14.1	3.5	2.9	.5	.4	.5	.8	.8	.0	1.8
.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
11.6	20.1	15.0	5.2	7.0	7.6	11.6	8.6	.0	13.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (SEF F) BY HOUR

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	97	84	67	83	79	76	73	82.8	1867
0600Z	90	86	85	82	78	75	69	81.5	1732
1201Z	89	86	84	81	77	75	71	81.2	1798
1802Z	91	92	90	84	79	77	69	84.3	1962
TOT	97	90	84	82	76	75	69	82.5	7154

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.1	12.1	44.5	34.8	7.5	78	1327		
0600Z	.0	.4	6.7	30.8	47.3	14.8	82	1352		
1201Z	.0	.6	8.9	30.3	46.3	14.0	81	1446		
1802Z	.0	4.2	23.0	42.9	24.9	4.9	75	1440		
TOT	0	6.0	70.9	206.4	212.9	57.3	79	5565		

APPIL

PERIOD: (PP1MAPY) 1953-1975
(OVER-ALL) 1862-1975

TABLE 17

AREA: NC10 NICARAGUA SW COAST
9.6N 86.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	73 76	77 80	81 84	85 88	86 92	992	TOT	% FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.1	.0	.0	.0	6	.0	.1
11/13	.0	.0	.0	.1	.1	.1	.0	22	.0	.3
9/10	.0	.0	.1	.2	.2	.2	.1	81	.7	.7
7/8	.0	.0	.2	.4	.6	.3	.1	98	.0	1.7
6	.0	.0	.1	.4	.5	.2	.0	80	.0	1.4
5	.0	.0	.3	1.1	.9	.3	.0	154	.0	2.7
4	.0	.1	.6	1.5	1.6	.4	.0	239	.7	4.1
3	.0	.1	.6	2.0	1.8	.4	.0	284	.0	4.8
2	.0	.2	1.4	3.6	2.6	.1	.0	479	.0	8.1
1	.0	.2	1.5	4.1	2.1	.2	.0	686	.0	8.3
0	.0	.1	2.3	6.0	2.9	.0	.0	841	.1	14.2
-1	.0	.1	2.5	7.6	2.0	.0	.0	712	.0	12.2
-2	.0	.2	2.5	10.3	.6	.0	.0	878	.1	13.7
-3	.0	.1	2.1	6.7	.5	.0	.0	547	.0	9.3
-4	.0	.1	2.1	5.1	.2	.0	.0	441	.1	7.5
-5	.0	.1	1.7	2.8	.2	.0	.0	283	.0	4.6
-6	.0	.1	1.5	1.0	.0	.0	.0	152	.0	2.6
-7/-6	.0	.0	.0	.0	.0	.0	.0	119	.0	2.0
-9/-10	.0	.0	.0	.0	.0	.0	.0	37	.0	.6
-11/-13	.0	.1	.2	.0	.0	.0	.0	17	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	3	112	335	1010	140	15		5856	23	5896
PCT	.1	1.9	21.2	56.4	17.2	2.4	.3	100.0	.4	99.6

PERIOD: (OVER-ALL) 1943-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	2.4	.0	.0	.0	.0	2.5	1.3	1.3	.0	.0	.0	.0	3.0
1-2	.7	4.1	.7	.0	.0	.0	5.4	.4	4.6	1.5	.0	.0	.0	6.5
3-4	.7	1.6	.7	.0	.0	.0	2.4	.0	2.3	3.0	.1	.0	.0	5.4
5-6	.0	.1	.1	.0	.0	.0	.4	.1	.4	2.3	.2	.0	.0	3.0
7	.0	.0	.2	.0	.0	.0	.2	.0	.3	.8	.2	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.3
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	8.1	2.7	.0	.0	.0	12.0	1.8	9.4	8.2	.7	.0	.0	20.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	.1	.0	.0	.0	2.3	.6	.8	.0	.0	.0	.0	1.4
1-2	.5	3.0	1.0	.0	.0	.0	4.5	.4	1.6	.4	.0	.0	.0	2.4
3-4	.2	1.6	1.4	.0	.0	.0	3.7	.0	.8	.2	.0	.0	.0	1.0
5-6	.0	.4	1.4	.7	.0	.0	2.5	.0	.4	.1	.0	.0	.0	.5
7	.0	.1	.4	.0	.0	.0	.9	.0	.1	.0	.0	.0	.0	.2
8-9	.0	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.6	5.6	.3	.0	.0	13.9	1.1	3.8	.8	.0	.0	.0	5.7

PERIOD: (OVER-ALL) 1953-1970

APRIL
TABLE 18 (CONT)

AREA 0010 NICARAGUA SW COAST
9.6N 86.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S								SW							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.7	1.5	.0	.0	.0	.0	2.2	.4	1.7	.0	.0	.0	.0	2.1	
1-2	.5	3.0	.0	.0	.0	.0	3.5	.5	3.0	.0	.0	.0	.0	3.8	
3-4	.0	.7	.2	.0	.0	.0	.9	.0	1.1	.2	.1	.0	.0	1.3	
5-6	.1	.1	.1	.0	.0	.0	.7	.0	.1	.1	.0	.0	.0	.2	
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	5.3	.7	.1	.0	.0	7.4	.9	5.8	.2	.2	.0	.0	7.8	

b								b								TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	1.5	2.6	.1	.0	.0	.0	4.2	.7	2.3	.1	.0	.0	.0	3.1		
1-2	.3	4.2	.2	.0	.0	.0	4.6	.5	3.1	.2	.0	.0	.0	3.8		
3-4	.0	1.4	.1	.1	.0	.0	2.0	.0	.6	.2	.0	.0	.0	.9		
5-6	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1		
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.4	8.6	.5	.1	.0	.0	11.0	1.3	6.0	.6	.0	.0	.0	7.9	85.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	22.6	14.3	.4	.0	.0	.0	36.6	065
1-2	4.9	21.9	4.7	.0	.0	.0	31.5	
3-4	.6	15.1	6.3	.3	.0	.0	17.3	
5-6	.3	1.5	4.2	.4	.0	.0	6.4	
7	.0	.5	1.6	.5	.0	.0	2.9	
8-9	.0	.0	.6	.0	.0	.0	.6	
10-11	.0	.0	.3	.1	.0	.0	.4	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	27.4	52.4	18.5	1.3	.0	.0	100.0	1437

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	2-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.3	18.8	14.4	6.4	2.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2458	3
6-7	.3	2.8	6.2	4.2	2.0	.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	797	4
8-9	.1	1.1	2.5	2.0	.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	338	4
10-11	.0	1.3	1.2	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	192	4
12-13	.0	.0	1.1	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	5
13-15	.0	.0	.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	6
16-17	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	823	1
TOTAL	9.3	123.0	135.6	73.5	37.2	9.7	1.9	.4	1	0	0	0	0	0	0	0	0	0	0	4759	3
PCT	20.9	25.8	27.4	15.4	8.8	2.0	1.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PDHAPY) 1953-1970
(OVR-ALL) 1861-1970

MAY

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	MAIL	FCPN AT 05 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPRAY BLUG DUST	NO SIG WFA
N	1.6	1.9	.5	.0	.0	.0	.0	4.1	2.8	3.4	.2	.0	2.4	.0	86.7
NE	2.4	1.1	.4	.0	.0	.0	.0	3.7	.9	2.6	.1	.0	1.4	.1	91.3
E	2.1	1.7	.6	.0	.0	.0	.1	4.4	2.3	3.9	.3	.0	2.0	.0	87.5
SE	3.2	2.7	.1	.0	.0	.0	.2	6.2	4.0	7.0	.1	.0	.7	.0	81.4
S	3.9	2.3	1.4	.0	.0	.0	.0	7.5	4.0	5.2	.2	.0	.4	.0	82.1
SW	3.4	3.5	1.0	.0	.0	.0	.1	8.0	4.4	5.4	.3	.0	.5	.0	81.0
W	4.3	2.3	1.4	.0	.0	.0	.0	8.1	4.0	5.4	.1	.0	.7	.1	81.8
NW	4.7	1.4	.5	.0	.0	.0	.0	6.6	3.3	5.1	.2	.0	1.5	.2	83.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	.7	.3	.0	.0	.0	.0	1.6	1.9	6.0	.1	.0	1.5	.1	86.6
TOT PCT	3.0	2.0	.8	.0	.0	.0	.	5.4	3.4	4.9	.2	.0	1.1	.1	84.7
TOT OBS:	4770														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	MAIL	FCPN AT 05 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPRAY BLUG DUST	NO SIG WFA
0000	2.1	1.0	.5	.0	.0	.0	.1	3.7	2.6	1.9	.1	.0	1.1	.1	90.6
0600	3.1	2.2	.9	.0	.0	.0	.1	6.3	2.9	13.4	.3	.0	1.5	.1	75.9
1200	4.1	3.5	.9	.0	.0	.0	.0	6.4	3.9	4.4	.2	.0	1.1	.1	81.9
1800	3.1	1.6	.7	.0	.0	.0	.1	5.3	4.0	.2	.1	.0	.4	.1	89.7
TOT PCT	3.1	2.1	.8	.0	.0	.0	.	6.0	3.7	5.0	.2	.0	1.1	.1	84.5
TOT OBS:	7088														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.3	4.4	1.0	.0	.0	.0		6.7	7.2	5.4	4.0	3.2	4.4	6.4	9.5	9.6	7.2	
NE	1.3	5.7	3.6	.3	.0	.0		10.9	9.7	9.3	4.1	6.8	4.9	12.9	11.0	15.1	17.1	
E	1.7	6.8	3.6	.3	.0	.0		12.4	9.1	12.3	5.4	10.9	10.8	11.4	12.3	15.6	10.5	
SE	1.4	5.5	1.1	.1	.0	.0		8.1	7.2	4.4	12.4	10.0	8.9	6.4	9.0	6.7	9.6	
S	2.2	7.1	1.5	.0	.0	.0		10.6	6.8	14.4	20.6	12.6	10.4	4.0	7.5	8.0	8.4	
SW	2.4	9.9	2.5	.0	.0	.0		14.7	7.5	17.9	14.4	16.2	17.1	12.0	12.8	12.3	18.0	
W	2.4	12.4	3.0	.1	.0	.0		17.9	7.6	16.6	17.5	14.4	25.7	19.1	18.1	16.3	25.1	
NW	1.5	6.2	.9	.0	.0	.0		7.6	6.7	6.1	7.2	6.4	7.5	9.7	11.7	8.8	7.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.4	43.4	13.4	5.7	3	0	7608	10.4	.0	9.1	9.1	15.8	9.4	11.2	8.1	4.6	7.4	
TOT OBS	1900	4340	1304	57	3	0	7608	10.4	.0	1634	143	1710	181	1470	216	1835	150	
TOT PCT	24.0	57.0	17.2	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	3.5	3.0	.1	.0	.0			6.7	7.2	5.3	3.4	9.4	8.5	
NE	3.6	5.9	1.2	.0	.0			10.6	9.7	8.9	6.8	12.6	14.7	
E	4.9	6.3	1.2	.0	.0			12.4	9.1	11.7	10.4	11.6	15.1	
SE	4.3	3.5	.2	.0	.0			8.1	7.2	8.7	9.7	7.0	7.0	
S	6.2	4.4	.2	.0	.0			10.6	6.8	15.4	12.5	7.9	8.0	
SW	7.3	7.0	.4	.0	.0			14.7	7.5	17.9	16.3	12.1	13.0	
W	8.7	8.7	.4	.0	.0			17.4	7.6	16.7	19.1	19.0	16.7	
NW	4.4	3.2	.2	.0	.0			7.8	6.7	6.2	6.5	9.5	8.7	
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
CALM	10.8							10.4	.0	9.1	15.0	10.8	8.4	
TOT OBS	4116	3178	303	11	0	7608		6.9		1777	1841	1915	2025	
TOT PCT	44.1	41.6	4.0	.1	.0			100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1957-1979
(COVER-ALL) 1961-1979

MAY

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OPS
		1-3	4-10	11-21	22-33	34-47	48+		
0000Z	9.1	14.7	60.2	15.5	.5	.1	.0	6.8	100.0
0600Z	15.0	13.7	57.4	13.3	.4	.0	.0	6.2	100.0
1200Z	10.8	14.2	55.5	16.5	.9	.0	.0	7.2	100.0
1800Z	8.4	14.0	55.2	21.1	1.1	.1	.0	7.6	100.0
TOT	9.2	14.7	59.0	15.0	.5	.1	.0	6.9	7608
PCT	14.8	14.2	57.0	17.2	.7	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	8-16	17-24	25-32	33-40	41-48	49-56	57-64	65-72	73-80	81-88	89-96	97-100	TOTAL
N	1.4	1.5	2.5	1.2										6.6
NE	3.0	2.6	4.7	1.8										12.1
E	3.1	2.7	4.4	2.2										12.4
SE	1.2	1.4	3.5	1.4										5.5
S	1.4	2.7	4.9	2.4										10.4
SW	1.4	2.6	6.6	4.0										14.6
W	2.3	1.1	4.7	2.9										11.0
WNW	1.3	1.4	3.4	1.0										5.1
VAR	.0	.0	.0	.0										.0
CALM	2.8	2.1	4.6	1.8										11.3
TOT OPS	1007	1081	2167	1104										5556
TOT PCT	19.0	19.4	42.4	19.9										100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) AND OCCURRENCE OF AM $\leq 5/8$ BY WIND DIRECTION

WIND DIR	0-7	8-16	17-24	25-32	33-40	41-48	49-56	57-64	65-72	73-80	81-88	89-96	97-100	TOTAL
N	.1	.1	.1	.5	.6	.2	.1	.0	.1	.0	.1	.0	.1	5.1
NE	.1	.1	.1	.4	1.0	.4	.1	.0	.1	.0	.1	.0	.1	9.1
E	.1	.1	.2	.7	1.1	.4	.2	.1	.1	.0	.1	.0	.1	9.3
SE	.1	.1	.2	.6	.4	.5	.1	.0	.0	.0	.0	.0	.0	5.3
S	.1	.1	.2	1.2	1.3	.6	.2	.1	.0	.0	.0	.0	.0	7.0
SW	.2	.1	.4	1.8	2.3	.8	.2	.0	.0	.0	.0	.0	.0	8.5
W	.2	.1	.3	1.9	2.7	.9	.2	.1	.0	.0	.0	.0	.0	10.8
WNW	.1	.1	.2	.7	1.0	.3	.1	.0	.1	.0	.1	.0	.1	5.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.7	1.2	.4	.1	.0	.0	.0	.0	.0	.0	4.4
TOT OPS	37	104	499	669	240	85	29	24	10	3410				5556
TOT PCT	.7	.7	1.9	9.0	17.0	4.5	1.5	.5	.4	.2	69.6			100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM $\geq 5/8$ AND VSBY (KMP))

CEILING (FEET)	≥ 10	≥ 100	≥ 1000	≥ 10000	≥ 100000	≥ 1000000	≥ 10000000	≥ 100000000
≥ 100000000	.6	.7	.7	.7	.7	.7	.7	.7
≥ 10000000	.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
≥ 1000000		2.7	2.7	2.7	2.7	2.7	2.7	2.7
≥ 100000		7.0	7.1	7.1	7.1	7.1	7.1	7.1
≥ 10000	.7	15.0	19.1	19.1	19.1	19.1	19.1	19.1
≥ 1000	23.6	27.4	27.9	27.9	28.6	28.0	28.0	28.1
≥ 100	24.7	29.1	29.8	29.9	30.0	30.0	30.0	30.0
≥ 10	25.1	29.7	30.4	30.5	30.6	30.6	30.6	30.6
≥ 0	25.4	30.3	31.0	31.2	31.3	31.3	31.3	31.3
TOTAL	1466	1744	1746	1746	1804	1804	1805	1806

TOTAL NUMBER OF OPS: 5761

PCT FREQ AM $\leq 5/8$: 68.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	10	TOTAL
OPS	12.5	17.3	15.4	13.1	8.3	6.7	4.3	4.1	.4			6108

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1961-1974

MAY

APER 0010 NICARAGUA SW COAST
9.5% 86.7%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSEY (MP)	%	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
PCP	.1	.0	.1	.0	.0	.1	.2	.1	.0	.0	.7	
NO PCP	.1	.1	.1	.0	.1	.1	.1	.1	.0	.0	.6	
TOT 1	.1	.1	.1	.0	.1	.2	.3	.2	.0	.0	1.3	
PCP	.0	.1	.1	.2	.1	.1	.1	.1	.0	.1	2.1	
NO PCP	.4	.2	.0	.7	.0	1.1	1.3	.5	.0	.7	7.2	
TOT 1	.4	.3	1.1	.9	1.1	1.2	1.4	.6	.0	.8	9.3	
PCP	.2	.2	.2	.2	.4	.6	.6	.2	.0	.1	2.7	
NO PCP	6.1	10.1	11.1	6.7	9.1	12.1	14.8	6.6	.0	9.7	66.2	
TOT 1	6.3	10.3	11.3	6.9	9.5	12.7	15.4	6.8	.0	9.8	68.9	
TOT OBS												6747
TOT PCT	6.4	11.2	12.6	7.4	10.9	14.4	17.7	7.7	.0	10.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSEY (MP)	SFC WTS	%	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2CT	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
1CT	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.1	.0	.0	.0	.1	.1	.0	.1	.4	
2CT	0-3	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	
4-10	.1	.1	.1	.1	.1	.1	.2	.2	.1	.0	.0	.8	
11-21	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT 1	.2	.1	.2	.1	.2	.3	.3	.1	.0	.0	.0	1.6	
5CT	0-3	.1	.1	.2	.1	.2	.3	.2	.1	.0	.0	2.1	
4-10	.3	.4	.6	.6	.7	.6	1.1	.5	.0	.0	.0	5.0	
11-21	.0	.3	.3	.1	.3	.4	.5	.2	.0	.0	.0	2.1	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT 1	.4	.8	1.2	.8	1.1	1.5	1.9	.8	.0	.0	.0	9.3	
10*	0-3	1.2	1.1	1.5	1.3	2.0	1.8	2.0	1.3	.0	9.4	22.0	
4-10	4.0	5.5	6.1	4.6	6.1	6.7	10.4	4.6	.0	.0	.0	50.5	
11-21	1.0	1.4	1.4	.9	1.2	2.1	2.5	.7	.0	.0	.0	15.2	
22+	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.6	
TOT 1	6.2	10.3	11.3	6.9	9.3	12.6	15.3	6.6	.0	.4	9.4	86.3	
TOT OBS													7015
TOT PCT	6.4	11.2	12.7	7.9	10.7	14.4	17.7	7.7	.0	10.4	100.0		

PERIOD: (PP1-MEY) 1953-1976
(OVER-ALL) 1861-1976

MAY

AREA CODE NICAPAGUA SW COAST
9.54 86.76

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

MOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.5	.4	1.4	8.1	10.4	3.6	1.6	.5	.3	.5	27.2	72.8	1530				
0600Z	1.4	.7	1.9	8.0	11.3	3.8	1.7	.3	.4	.1	29.5	70.5	1388				
1201Z	.5	.8	2.4	9.6	13.5	4.2	1.3	.6	.3	.2	33.5	66.5	1557				
1802Z	.3	.6	1.4	8.7	11.5	5.4	1.4	.7	.7	.1	31.3	68.7	1500				
TOT PCT	4.1 .7	7.7 .6	13.2 1.6	52.1 6.6	49.8 6.1	25.5 3.3	8.9 1.1	7.1 .9	2.6 .3	1.1 .2	181.7 10.4	415.8 69.6	5475 100.0				

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

MOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.1	.2	.3	.6	7.7	90.9	1751
0600Z	.1	.1	.2	1.9	11.4	86.1	1811
1201Z	.2	.4	.5	1.7	9.9	87.4	1871
1802Z	.2	.2	.4	1.8	7.9	89.4	1462
TOT PCT	1.0 .1	1.6 .2	3.0 .4	13.4 1.6	47.4 6.2	645.2 89.4	7296 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

MOUR (GMT)	<150 <500	<600 1	<1000 5	<2000 AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.5	2.4	10.4	17.3	71.8	1469
0600Z	1.4	4.4	13.3	17.9	68.7	1327
1201Z	.4	4.0	14.2	20.4	65.2	1505
1802Z	.3	2.9	12.3	19.9	67.8	1460
TOT PCT	4.3 .7	19.7 3.4	72.6 12.7	109.3 19.0	393.9 68.4	5761 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
70/74	.0	.0	.1	.2	.4	.5	.5	.0	.0	87	1.5
75/79	.0	.0	.0	.0	3.2	9.6	30.0	.7	.0	991	16.7
80/84	.0	.0	.0	.0	2.4	22.0	37.9	7.2	.0	4136	69.6
85/89	.0	.0	.0	.0	.0	.7	5.2	5.9	.0	702	11.9
90/94	.0	.0	.0	.0	.0	.0	.1	.3	.0	22	.4
TOTAL	.0	.0	.1	.2	3.1	38.3	103.4	275.1	83.2	5940	100.0
PCT	.0	.0	.1	.2	1.4	32.6	46.7	14.0			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70/74	.1	.2	.2	.1	.1	.1	.2	.2	.0	.2
75/79	1.6	2.5	2.8	1.2	1.3	1.6	2.6	1.5	.0	1.6
80/84	4.7	7.5	8.1	5.5	7.8	10.5	12.2	5.1	.0	8.3
85/89	.6	1.0	1.2	.9	1.6	1.9	2.4	.8	.0	1.3
90/94	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0
TOTAL	7.0	11.2	12.4	7.8	11.0	14.2	17.5	7.7	.0	11.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (CEN F) BY HOUR

MOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	64	69	87	82	79	76	71	82.7	1844
0600Z	60	46	84	82	79	75	70	81.3	1950
1201Z	64	66	84	81	78	75	71	81.2	1971
1802Z	65	62	85	84	76	74	72	84.0	7064
TOT	65	60	87	82	76	75	70	82.3	7839

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

MOUR (GMT)	0-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	MEAN	TOTAL OBS
0000Z	.0	.3	4.2	40.7	45.1	9.6	80	1524			
0600Z	.0	.0	2.9	21.9	57.7	17.4	84	1516			
1201Z	.0	.4	3.3	25.2	51.8	19.5	83	1568			
1802Z	.0	1.7	15.4	42.9	30.1	9.7	78	1540			
TOT	.0	3.8	39.9	201.9	285.5	87.6	81	6187			

PERIOD: (031-167) 1951-1976
(070-167) 1961-1976

TABLE 17

AREA 0010 NICARAGUA SW COAST
7.5N 86.7W

PCT FREQ OF 12R TEMPERATURE (DEG F) AND THE OCCURRENCE OF FCG (WITHIN PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	67 72	73 76	77 80	81 84	85 88	89 92	92	TOT	A FCG	W FCG
14/16	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	11	.0	.0
9/10	.0	.0	.0	.1	.1	.1	.0	26	.0	.0
7/8	.0	.0	.0	.2	.3	.3	.0	41	.0	.0
6	.0	.0	.0	.1	.4	.4	.0	62	.0	1.0
5	.0	.0	.1	.4	.5	.3	.0	125	.0	1.4
4	.0	.0	.1	.6	1.2	.8	.0	194	.0	2.2
3	.0	.0	.2	1.1	1.1	.2	.0	196	.0	3.0
2	.0	.0	.4	2.6	2.8	.2	.0	362	.0	5.4
1	.0	.0	.4	3.5	2.1	.1	.0	421	.0	6.5
0	.0	.0	.4	4.7	2.7	.1	.0	828	.0	12.4
-1	.0	.0	1.5	9.9	2.1	.0	.0	889	.0	13.4
-2	.0	.0	2.4	12.2	1.0	.0	.0	1011	.0	15.6
-3	.0	.1	2.7	8.1	.4	.0	.0	759	.0	11.3
-4	.0	.1	3.6	5.7	.2	.0	.0	479	.0	6.7
-5	.0	.2	1.6	3.5	.1	.0	.0	428	.0	6.6
-6	.0	.1	2.6	1.3	.0	.0	.0	247	.0	3.4
-7/-8	.0	.5	2.0	.4	.0	.0	.0	220	.0	3.4
-9/-10	.0	.3	.5	.2	.0	.0	.0	66	.0	1.0
-11/-12	.0	.2	.2	.0	.0	.0	.0	25	.0	.0
-13/-14	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
-15/-16	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	5	1342	1072	15	15	15	15	6455	12	94.2
PCT	.1	1.6	21.1	59.2	15.5	2.2	.2	100.0	.2	99.8

PERIOD: (070-167) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	.1	1.4	.4	.0	.0	.0	1.1	.6	.9	.0	.0	.0	.0	1.5
3-4	.1	1.0	.4	.0	.0	.0	2.4	.2	2.5	.0	.0	.0	.0	3.3
5-6	.1	.2	.0	.0	.0	.0	7.0	.1	1.4	1.4	.1	.0	.0	2.4
7	.0	.1	.0	.0	.0	.0	.1	.0	.3	1.8	.4	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19-20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27-28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29-30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35-36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37-38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43-44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53-54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57-58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63-64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65-66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67-68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73-74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75-76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77-78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79-80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81-82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87-88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89-90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93-94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95-96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97-98	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99-100	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	3.6	1.4	.0	.0	.0	5.4	1.0	5.0	4.1	.2	.0	.0	10.4

PERIOD: (OVER-ALL) 1943-1970

MAY
TABLE 10 (CONT)

AREA 0210 NICARAGUA SW COAST
9.5N 86.7W

PCT FREQ OF WIND (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
1-2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
3-4	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
5-6	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
7	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
8-9	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
10-11	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
12	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
13-16	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
17-19	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
20-22	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
23-25	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
26-32	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
33-40	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
41-48	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
49-50	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
51-60	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
61-70	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
71-86	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
87+	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2
TOT PCT	1.2	1.2	1.2	1.2	1.2	1.2	10.5	1.2	1.2	1.2	1.2	1.2	1.2	17.0

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
1-2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
3-4	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
5-6	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
7	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
8-9	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
10-11	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
12	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
13-16	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
17-19	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
20-22	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
23-25	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
26-32	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
33-40	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
41-48	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
49-50	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
51-60	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
61-70	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
71-86	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
87+	1.2	1.2	1.2	1.2	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	
TOT PCT	1.2	1.2	1.2	1.2	1.2	1.2	20.4	1.2	1.2	1.2	1.2	1.2	1.2	2.2	86.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

WGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
C1	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
1-2	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
3-4	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
5-6	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
7	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
8-9	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
10-11	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
12	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
13-16	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
17-19	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
20-22	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
23-25	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
26-32	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
33-40	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
41-48	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
49-50	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
51-60	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
61-70	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
71-86	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
87+	17.2	11.3	1.3	1.0	1.0	1.0	28.8	
TOT PCT	22.6	54.5	72.4	1.5	1.0	1.0	100.0	1543

PERIOD: (OVER-ALL) 1943-1970

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	41	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-50	51-60	61-70	71-86	87+	TOTAL	(MEAN WGT)
46	4.2	19.1	16.7	8.6	2.0	1.5	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2714	1
4-7	4.2	2.8	7.3	5.6	2.2	1.0	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	454	4
8-9	4.2	1.0	3.3	2.1	1.3	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	454	4
10-11	4.2	1.7	1.3	1.6	1.3	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	107	5
12-13	4.2	1.0	1.1	1.7	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	115	5
14-15	4.2	1.0	1.0	1.7	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	55	6
16-17	4.2	1.0	1.0	1.7	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	754	1
TOTAL	4.2	1.0	1.0	1.7	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5264	1
PCT	15.2	25.5	31.6	32.4	4.6	1.9	1.0	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100.0	

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVERALL) 1872-1979APEX MOJO NACARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHMR	DRZL	FRZG FCPN	SNOW	OTHER FRZN FCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDP LTNG	FOG W PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	N SIG WEA
N	2.9	2.5	1.6	.0	.0	.0	.0	6.9	4.6	4.4	.0	.0	.5	.0	83.6
NE	3.4	1.7	.0	.0	.0	.0	.0	9.6	2.1	2.2	.0	.0	1.3	.0	88.7
E	1.6	2.4	1.1	.0	.0	.0	.0	4.9	3.1	4.4	.1	.1	.4	.1	86.8
SE	5.7	3.6	7.2	.0	.0	.0	.0	11.3	5.7	7.8	.0	.0	.5	.0	74.5
S	6.3	5.0	2.6	.0	.0	.0	.0	13.2	7.8	5.1	.0	.0	.3	.0	74.0
SW	7.2	4.1	1.9	.0	.0	.0	.0	13.6	5.9	4.5	.0	.0	.3	.0	76.9
W	5.5	2.9	2.2	.0	.0	.0	.0	10.4	6.3	4.9	.0	.0	.2	.0	78.4
NW	4.6	2.3	2.0	.0	.0	.0	.0	9.3	6.5	4.2	.0	.0	.1	.0	82.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3	2.1	.6	.0	.0	.0	.0	4.2	2.1	5.0	.2	.0	.2	.2	58.0
TOT PCT	4.7	3.1	1.8	.0	.0	.0	.0	9.3	5.2	4.7	.0	.0	.4	.0	70.7
TOT OBS:	1275														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHMR	DRZL	FRZG FCPN	SNOW	OTHER FRZN FCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THDP LTNG	FOG W PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	N SIG WEA
0000Z	3.4	2.6	1.3	.0	.0	.0	.0	7.3	4.8	1.7	.1	.0	.0	.0	85.7
0600Z	5.7	3.2	2.1	.0	.0	.0	.0	10.9	4.0	13.9	.0	.1	.2	.1	71.7
1200Z	6.0	3.6	2.1	.0	.0	.0	.0	11.8	7.2	3.8	.1	.0	.3	.0	77.2
1800Z	3.6	2.7	1.3	.0	.0	.0	.0	7.5	4.6	.4	.0	.0	.4	.1	87.2
TOT PCT	4.7	3.1	1.7	.0	.0	.0	.0	9.4	5.2	4.8	.0	.0	.4	.0	80.5
TOT OBS:	6453														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	.9	3.5	.9	.1	.0	.0		5.3	7.3		3.4	2.5	3.6	3.7	6.6	5.3	7.4	9.5
NE	1.0	4.4	3.2	.3	.0	.0		9.4	10.0		5.8	6.7	6.5	8.3	9.7	11.3	12.5	8.9
E	1.3	5.9	3.4	.7	.0	.0		10.9	9.5		10.7	6.3	10.7	4.6	10.1	9.8	13.0	8.5
SE	.9	5.0	1.2	.0	.0	.0		7.2	7.5		8.3	10.6	9.8	7.0	5.0	7.2	5.7	6.2
S	1.3	7.1	2.0	.1	.0	.0		10.5	7.9		13.0	14.3	11.8	7.9	8.4	8.7	9.3	8.6
SW	2.0	11.1	4.1	.1	.0	.0		17.2	8.5		17.9	21.5	17.8	25.0	17.2	14.4	16.5	16.5
W	2.2	14.4	6.0	.1	.0	.0		22.7	8.8		23.0	21.4	23.5	14.0	25.1	23.0	19.5	22.4
NW	1.0	4.7	1.8	.1	.0	.0		8.7	8.4		6.7	8.6	6.5	11.9	9.4	11.6	10.3	11.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.1							8.1	.0		7.6	7.7	10.1	9.6	7.6	5.9	7.4	7.1
TOT OBS	1292	3994	1564	72	1	0	6944		7.9		1486	147	1510	136	1610	204	1674	182
TOT PCT	18.6	57.5	22.8	1.0	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15	18	21
N	.8	2.4	.2	.0	.0	.0		5.3	7.3		3.3	3.6	6.5	7.6				
NE	2.9	5.5	1.1	.0	.0	.0		9.4	10.0		8.6	6.6	9.9	12.1				
E	4.0	5.8	1.1	.0	.0	.0		10.9	9.5		10.3	10.6	10.1	12.6				
SE	3.8	3.1	.2	.0	.0	.0		7.2	7.5		8.5	9.5	5.3	5.8				
S	4.9	5.1	.5	.0	.0	.0		10.5	7.4		13.1	11.5	8.5	9.2				
SW	6.0	9.5	.4	.0	.0	.0		17.2	8.5		18.2	18.4	17.5	15.0				
W	8.3	13.4	1.0	.0	.0	.0		22.7	8.8		23.5	22.8	24.9	19.9				
NW	3.5	4.8	.3	.0	.0	.0		8.7	8.4		5.9	7.0	10.0	10.4				
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0				
CALM	8.1							8.1	.0		7.6	10.0	7.4	7.4				
TOT OBS	3131	3439	363	11	0	6944			7.9		1628	1646	1814	1856				
TOT PCT	45.1	49.5	5.2	.2	.0	.0		100.0			100.0	100.0	100.0	100.0				

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1977-1979

JUNE

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	7.6	9.7	54.3	23.4	1.4	1.1	1.0	7.9	100.0	1628
0500	10.0	10.4	54.6	20.8	1.8	1.7	1.0	7.6	100.0	1646
1200	7.4	10.1	54.8	22.6	1.0	1.0	1.0	8.0	100.0	1614
1900	7.4	11.7	56.2	24.0	1.7	1.0	1.0	8.2	100.0	1654
TOT	561	731	3895	1584	72	1	0	7.9		6944
PCT	8.1	10.5	57.5	22.6	1.0	0	1.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	PCT OBS	MEAN CLOUD COVER
N	1.3	1.2	2.4	1.1	5.7		5.7
NE	1.7	2.0	5.0	1.8	5.3		5.3
E	1.5	2.5	4.7	2.7	5.2		5.2
SE	1.5	1.7	2.9	2.2	6.1		6.1
S	1.5	1.4	4.2	4.7	6.3		6.3
SW	1.8	2.0	6.1	6.1	6.3		6.3
W	1.4	3.5	11.0	7.7	6.1		6.1
NW	1.4	1.4	3.9	2.3	6.0		6.0
VAR	1.0	1.0	1.0	1.0	4.0		4.0
CALM	1.0	1.7	3.0	1.7	5.3		5.3
TOT OBS	461	430	2407	1462	5129		5.9
TOT PCT	7.8	16.4	46.9	28.6	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH, >4/P)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+	PCT MEAN	PCT FREQ	TOTAL OBS
N	1.3	1.2	2.4	1.1	5.7				5.7		5.7
NE	1.7	2.0	5.0	1.8	5.3				5.3		5.3
E	1.5	2.5	4.7	2.7	5.2				5.2		5.2
SE	1.5	1.7	2.9	2.2	6.1				6.1		6.1
S	1.5	1.4	4.2	4.7	6.3				6.3		6.3
SW	1.8	2.0	6.1	6.1	6.3				6.3		6.3
W	1.4	3.5	11.0	7.7	6.1				6.1		6.1
NW	1.4	1.4	3.9	2.3	6.0				6.0		6.0
VAR	1.0	1.0	1.0	1.0	4.0				4.0		4.0
CALM	1.0	1.7	3.0	1.7	5.3				5.3		5.3
TOT OBS	461	430	2407	1462	5129				5.9		5129
TOT PCT	7.8	16.4	46.9	28.6	100.0						

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FT)	= OR >10	= OR >5	= OR >2	VSBY (NM)					= OR >10
				= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0	
= OR >6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >5000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >2000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= OR >1000	20.1	23.5	23.8	23.9	24.0	24.0	24.0	24.0	24.0
= OR >600	29.4	35.3	36.0	36.1	36.2	36.2	36.2	36.2	36.2
= OR >400	31.4	38.5	39.4	39.7	39.8	39.8	39.8	39.8	39.8
= OR >200	31.5	38.9	40.0	40.3	40.4	40.4	40.5	40.5	40.5
= OR >0	32.6	39.5	40.7	41.1	41.2	41.2	41.3	41.3	41.3
TOTAL	1644	2042	2146	2166	2171	2172	2174	2176	

TOTAL NUMBER OF OBS: 5270

PCT FREQ NH <5/8: 59.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	P OBS	TOTAL OBS
3.6	4.7	15.5	16.1	14.6	10.2	10.5	7.5	12.9	5629

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1972-1979

JUNE

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.4	
2<5	PCP	.0	.0	.1	.0	.2	.3	.3	.1	.0	.0	1.1	
	NO PCP	.0	.0	.1	.1	.1	.3	.2	.0	.0	.0	.9	
	TOT %	.0	.0	.1	.1	.3	.6	.5	.1	.0	.1	1.9	
5<10	PCP	.1	.2	.2	.4	.5	.8	1.0	.3	.0	.1	3.5	
	NO PCP	.4	.7	.7	.6	.9	1.7	2.0	.6	.0	.3	7.8	
	TOT %	.5	.9	.9	.9	1.4	2.5	3.0	.8	.0	.4	11.3	
10+	PCP	.2	.3	.3	.4	.6	1.0	1.0	.3	.0	.2	4.1	
	NO PCP	4.4	8.4	9.9	5.6	7.7	13.1	18.7	7.1	.0	6.9	82.0	
	TOT %	4.6	8.7	10.1	5.9	8.5	14.1	19.6	7.4	.0	7.0	86.0	
TOT OBS													6261
TOT PCT													
5.1 9.6 11.2 7.0 12.3 17.4 23.3 8.4 .0 7.6 100.0													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.2	
	4-10	.0	.0	.1	.1	.1	.2	.2	.1	.0	.0	1.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.2	.1	.3	.7	.6	.2	.0	.1	2.2	
5<10	0-3	.1	.1	.1	.1	.1	.2	.1	.1	.0	.4	1.3	
	4-10	.4	.4	.4	.6	.8	1.5	1.6	.4	.0	.0	6.1	
	11-21	.1	.3	.3	.3	.5	.8	1.2	.3	.0	.0	3.7	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
	TOT %	.5	.9	.9	1.0	1.4	2.5	2.9	.8	.0	.4	11.3	
10+	0-3	.7	.9	1.1	.8	1.1	1.7	1.9	.8	.0	7.2	16.1	
	4-10	3.0	4.4	5.4	4.2	6.0	9.1	12.5	5.1	.0	.0	49.6	
	11-21	.9	3.1	3.2	.9	1.4	3.2	4.8	1.5	.0	.0	19.0	
	22+	.0	.3	.2	.0	.0	.0	.1	.1	.0	.0	.8	
	TOT %	4.6	8.6	9.9	5.9	8.5	14.0	19.3	7.5	.0	7.2	85.5	
TOT OBS													6511
TOT PCT													
5.2 9.6 11.0 7.1 10.3 17.4 23.1 8.6 .0 7.8 100.0													

JUNE

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1977-1979AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.7	.4	3.4	9.3	14.5	4.3	1.9	.7	.5	.5	36.3	63.7	1397
06009	1.2	.7	3.3	12.2	15.8	5.1	2.3	.2	.7	.5	42.0	58.0	1206
12015	.7	.8	3.9	14.4	13.7	6.1	1.6	.4	.5	.1	42.4	57.6	1483
18021	.4	.4	3.5	11.2	14.3	5.5	2.1	.6	.6	.4	39.0	61.0	1393
TOT	4.4	2.3	19.4	64.6	79.6	28.8	10.8	2.6	3.0	1.9	218.6	329.3	5479
PCT	.6	.6	3.5	11.6	14.5	5.3	2.0	.5	.5	.3	39.9	60.1	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.7	.3	1.0	2.0	9.2	87.4	1600
06009	.2	.2	.2	2.5	12.9	83.9	1581
12015	.1	.2	.5	2.6	12.9	83.7	1778
18021	.3	.2	.4	1.7	10.1	87.3	1733
TOT	1.3	1.3	3.7	14.8	75.5	572.6	6692
PCT	.2	.2	.6	2.2	11.3	85.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1000	1000+ AND 5+	NH AND 5+	TOTAL OBS	
00003	.7	4.8	15.0	22.9	62.1	1393
06009	1.2	5.6	19.2	25.3	55.5	1145
12015	1.7	5.9	21.4	22.3	56.2	1442
18021	.5	4.5	16.3	24.0	59.8	1340
TOT	4.5	27.3	94.9	124.0	308.1	5270
PCT	.9	5.2	18.0	23.5	58.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.6	.1	.0	.0	53	1.0
85/89	.0	.0	.2	.1	1.5	5.7	1.9	.2	513	9.4
80/84	.0	.0	.0	.0	1.2	16.2	39.6	8.5	3622	66.5
75/79	.0	.0	.0	.0	.0	1.0	10.6	10.9	1222	22.4
70/74	.0	.0	.0	.0	.0	.0	.0	.6	34	.6
TOTAL	0	0	2	11	181	1359	2784	1103	5444	100.0
PCT	.0	.0	.0	.2	3.3	25.0	51.2	20.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	.0	.2	.1	.1	.1	.2	.1	.0	.1
85/89	.8	1.6	1.3	.6	.7	1.0	1.7	1.0	.0	.2
80/84	3.4	7.1	8.0	4.3	6.3	10.2	15.9	5.8	.0	5.6
75/79	.7	.9	1.3	1.5	3.3	5.8	6.0	1.5	.0	1.4
70/74	.0	.0	.0	.1	.0	.2	.2	.0	.0	.0
TOTAL	5.0	9.6	10.9	6.6	10.3	17.2	23.9	8.4	.0	8.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEC F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	92	87	85	82	77	75	73	81.5	1670
06009	84	85	84	80	77	74	72	80.3	1689
12015	90	85	84	80	77	74	70	80.3	1844
18021	95	84	84	81	78	76	73	83.0	1881
TOT	95	87	86	81	77	75	70	81.3	7084

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	1.7	29.5	52.9	15.9	83	1394		
06009	.0	.0	1.1	15.2	57.8	25.9	85	1333		
12015	.0	.1	1.0	14.6	56.9	27.4	86	1495		
18021	.0	.9	9.2	41.6	37.2	11.1	79	1388		
TOT	0	1.3	10.2	14.09	287.5	1131	83	5610		

PERIOD: (POTHAPY) 1953-1975
(OVER-ALL) 1872-1975

JUNE

APEJ 0010 NICARAGUA SW COAST
9.54 86.74

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.1	.1	13	.0	.2
9/10	.0	.0	.0	.0	.1	.1	12	.0	.2
7/8	.0	.0	.0	.2	.4	.2	46	.0	.6
6	.0	.0	.0	.2	.2	.2	32	.0	.5
5	.0	.0	.1	.5	.7	.2	40	.3	1.4
4	.0	.0	.1	.7	1.1	.2	124	.1	2.1
3	.0	.0	.0	1.0	1.2	.2	141	.1	2.4
2	.0	.0	.3	3.3	1.6	.0	306	.7	5.2
1	.0	.0	.4	4.6	1.5	.0	347	.7	6.6
0	.0	.0	2.2	9.8	1.2	.0	775	.7	13.1
-1	.0	.1	2.1	9.1	.5	.0	756	.6	12.8
-2	.0	.1	4.0	9.5	.1	.0	636	.5	15.9
-3	.0	.1	6.3	6.0	.1	.0	732	.5	12.4
-4	.0	.2	6.1	3.7	.1	.0	591	.6	10.0
-5	.0	.5	5.0	2.0	.1	.0	442	.5	7.5
-6	.0	.5	2.7	.6	.0	.0	274	.4	3.8
-7/-6	.0	.4	2.3	.4	.0	.0	212	.4	3.6
-9/-10	.0	.4	.6	.1	.0	.0	72	.0	1.2
-11/-13	.0	.0	.0	.0	.0	.0	16	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	3	174	2083	3053	68	7	5903	1	5902
PCT	.1	2.9	35.2	51.7	8.8	1.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6	.1	.5	.0	.0	.0	.0	.6
1-2	.1	1.3	.3	.0	.0	.0	1.7	.1	2.3	.4	.0	.0	.0	2.2
3-4	.0	.2	.3	.1	.0	.0	.6	.1	1.1	1.3	.2	.0	.0	2.4
5-6	.1	.1	.1	.0	.0	.0	.2	.0	.2	.4	.1	.0	.0	1.0
7	.0	.1	.1	.0	.0	.0	.2	.0	.2	.1	.1	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.0	.4	.1	.0	.0	3.3	.3	4.1	2.4	.4	.0	.0	7.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	.0	.0	.0	.0	1.2	.4	.9	.0	.0	.0	.0	1.2
1-2	.3	3.3	.6	.0	.0	.0	4.2	.1	1.8	.3	.0	.0	.0	2.2
3-4	.0	1.1	1.1	.1	.0	.0	2.3	.4	.7	.0	.0	.0	.0	1.1
5-6	.0	.2	.3	.1	.0	.0	.6	.0	.1	.0	.0	.0	.0	.1
7	.0	.2	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.9	2.1	.3	.0	.0	8.9	.5	3.1	1.1	.0	.0	.0	4.7

PERIOD: (COVER-ALL) 1943-1970

JUNE

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.3	.0	.0	.0	.0	1.8	.7	1.7	.0	.0	.0	.0	2.5
1-2	.4	3.1	.4	.0	.0	.0	3.8	.6	5.8	1.2	.0	.0	.0	7.6
3-4	.1	1.1	1.2	.0	.0	.0	2.3	.2	2.3	3.4	.0	.0	.0	7.0
5-6	.0	.3	.6	.1	.0	.0	.9	.0	.5	1.8	.1	.0	.0	2.3
7	.0	.1	.3	.0	.0	.0	.4	.0	.3	.5	.1	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.8	2.9	.1	.0	.0	9.3	1.6	11.7	7.2	.2	.0	.0	20.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	3.2	.1	.0	.0	.0	4.3	.3	.8	.1	.0	.0	.0	1.1	
1-2	.6	8.9	2.5	.0	.0	.0	12.0	.2	2.9	.7	.0	.0	.0	3.8	
3-4	.1	4.0	4.9	.1	.0	.0	8.1	.1	1.5	1.0	.0	.0	.0	2.5	
5-6	.0	.6	2.1	.0	.0	.0	3.2	.0	.4	.4	.0	.0	.0	.8	
7	.0	.4	.7	.0	.0	.0	1.2	.0	.1	.1	.1	.1	.1	.3	
8-9	.0	.0	.3	.0	.0	.0	.3	.0	.1	.2	.0	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	17.4	17.7	.2	.0	.0	32.0	.6	5.6	2.5	.1	.0	.0	8.8	93.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.5	9.7	.1	.0	.0	.0	.0	21.3
1-2	3.1	29.8	6.6	.0	.0	.0	.0	39.5
3-4	.5	12.4	13.1	.5	.0	.0	.0	26.5
5-6	.1	2.4	6.1	.3	.0	.0	.0	8.9
7	.0	1.2	2.1	.2	.0	.0	.0	3.5
8-9	.0	.2	.8	.1	.0	.0	.0	1.1
10-11	.0	.0	.6	.1	.0	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	15.2	54.6	29.0	1.2	.0	.0	100.0	1530

PERIOD: (COVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-50	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.5	14.6	16.0	8.1	2.5	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2284	3
6-7	.1	2.7	6.5	9.0	3.4	.9	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1239	5
8-9	.0	.0	2.4	3.3	1.7	.7	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	486	5
10-11	.3	.3	.9	.6	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	152	5
12-13	.0	.0	.7	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	5
13-13	.0	.0	.0	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	7
INDET	5.6	1.6	2.0	1.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	561	2
TOTAL	40.6	9.1	150.8	115.7	45.4	15.0	8.3	2.4	1.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4870	4
PCT	10.2	20.1	31.0	23.2	9.2	3.1	1.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

JULY

AREA 0017 NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST	NO SIG WFA
N	2.8	2.8	1.2	.0	.0	.0	.0	6.5	1.8	4.3	.0	.0	.2	.0	87.7
NE	1.7	.9	.3	.0	.0	.0	.0	2.9	1.9	3.5	.1	.0	.5	.2	90.7
E	3.3	1.5	1.1	.0	.0	.0	.0	5.7	1.7	4.8	.1	.1	.5	.2	87.2
SE	5.7	2.7	1.6	.0	.0	.0	.0	4.9	4.5	6.2	.1	.0	.4	.3	78.9
S	5.3	2.2	3.3	.0	.0	.0	.0	10.7	6.4	5.4	.3	.0	.3	.0	77.1
SW	5.9	2.9	2.5	.0	.0	.0	.0	11.0	6.5	5.3	.1	.0	.2	.1	77.5
W	4.7	3.5	2.3	.0	.0	.0	.0	10.5	4.5	5.0	.1	.1	.1	.0	80.4
NW	3.9	2.1	1.0	.0	.0	.0	.0	7.0	4.7	3.3	.2	.0	.2	.0	85.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.7	.2	.0	.0	.0	.0	2.4	2.7	4.2	.0	.0	.9	.4	89.3
TOT PCT	3.9	2.2	1.5	.0	.0	.0	.	7.5	3.8	4.6	.1	.	.4	.1	83.8
TOT OBS:	6523														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST	NO SIG WFA
0000	2.8	1.3	1.3	.0	.0	.0	.1	5.4	2.7	2.4	.0	.0	.4	.2	89.3
0600	4.6	2.4	1.7	.0	.0	.0	.0	6.5	3.9	13.0	.3	.0	.5	.1	74.4
1200	5.0	3.3	2.2	.0	.0	.0	.0	10.4	3.9	3.3	.2	.1	.5	.2	82.1
1800	3.2	1.4	1.0	.0	.0	.0	.0	5.9	5.0	.4	.1	.1	.5	.1	87.8
TOT PCT	3.9	2.2	1.5	.0	.0	.0	.	7.6	3.9	4.7	.1	.	.4	.1	83.5
TOT OBS:	6700														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	1.2	4.1	1.5	.2	.0	.0		6.9	7.9		5.2	4.6	4.1	4.3	4.5	8.7	8.4
NE	1.1	7.2	6.5	1.2	.0	.0		16.0	11.6		13.5	14.6	10.4	13.6	17.5	17.9	21.2
E	1.3	7.5	5.8	.8	.	.0		15.3	10.9		14.2	10.9	16.5	10.8	14.9	12.6	17.0
SE	1.2	3.8	1.4	.1	.0	.0		6.5	8.0		7.8	11.2	7.7	6.3	4.4	5.5	6.2
S	1.5	5.8	1.5	.	.0	.0		8.9	7.4		11.8	10.7	10.0	12.1	6.8	7.5	7.2
SW	1.7	9.4	3.0	.1	.	.0		14.2	8.2		16.7	14.8	15.4	16.6	13.2	14.6	11.9
W	2.1	12.3	3.8	.1	.0	.0		18.3	8.1		17.0	14.6	20.9	20.3	14.5	20.2	15.9
NW	1.0	4.4	1.0	.	.0	.0		6.5	7.4		5.1	6.3	4.8	10.6	9.0	11.1	6.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	7.4							7.4	.0		4.7	12.2	10.2	4.2	6.2	1.8	5.4
TOT OBS	1355	3983	1792	166	2	0	7288		8.4		1533	147	1624	134	1655	222	1788
TOT PCT	14.6	54.7	24.5	2.3	.	0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	12
N	3.2	3.4	.3	.	.0			5.1	4.1	9.4	8.5
NE	4.2	6.5	2.9	.3	.0			16.0	11.6	13.6	17.6
E	4.4	6.3	2.5	.1	.0			15.3	10.9	13.9	14.6
SE	3.1	3.0	.3	.	.0			6.5	8.0	4.1	4.5
S	4.6	4.1	.3	.0	.0			8.9	7.4	11.7	10.1
SW	6.0	7.6	.5	.1	.0			14.2	8.2	16.5	15.4
W	7.7	10.1	.5	.0	.0			18.3	8.1	16.8	20.8
NW	3.3	3.0	.2	.0	.0			6.5	7.4	5.2	5.3
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0
CALM	7.4							7.4	.0	9.0	9.8
TOT OBS	3198	3500	554	36	0	7288		8.4		1646	1762
TOT PCT	43.9	48.0	7.6	.5	.0			100.0		100.0	100.0

PERIOD: (PRIMARY) 1953-1974
(COVER-ALL) 1975-1979

JULY

AREA 0010 NICARAGUA SW COAST
9.54 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT	TOTAL
		1-3	4-10	11-21	22-33	34-47	48+		
0700Z	4.0	12.0	54.0	23.2	1.7	.0	.0	8.6	1680
0800Z	4.8	12.4	56.4	21.4	1.5	.0	.0	7.4	1762
1201Z	5.7	12.0	56.4	23.5	2.3	.1	.0	8.4	1677
1802Z	5.6	10.3	52.0	28.7	3.4	.1	.0	9.3	1969
TOT	542	413	3983	1782	166	2	0	8.4	7284
PCT	7.4	11.2	54.7	24.5	2.3	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD CSCD	PCT OBS	TOTAL CLOUD COVER
N	.6	1.6	5.3	1.4		5.2	
NE	2.9	4.3	7.0	2.7		4.8	
E	2.4	3.4	7.2	2.7		5.1	
SE	.6	1.7	2.4	1.6		5.9	
S	.5	1.0	4.3	1.7		6.3	
SW	.9	1.6	4.0	5.0		6.2	
W	1.4	3.7	6.4	4.2		5.9	
NW	.6	1.1	2.8	1.6		5.8	
VAR	.0	.7	.0	.7		.0	
CALM	1.1	1.4	1.1	1.2		5.1	
TOT OBS	606	1013	2497	1320	5432	5.6	
TOT PCT	11.2	14.6	44.9	24.3	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM CS/P BY WIND DIRECTION

FOO	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.1	.1	.1	.4	.7	.5	.1	.0	.0	.0	4.6
NE	.1	.1	.2	1.0	1.5	.5	.2	.1	.1	.0	12.7
E	.1	.0	.2	1.0	1.8	.6	.2	.1	.1	.1	11.3
SE	.1	.1	.2	.7	.6	.4	.1	.0	.0	.0	3.8
S	.2	.0	.3	1.2	1.8	.7	.2	.0	.0	.0	4.6
SW	.2	.0	.4	1.9	2.9	.8	.3	.0	.0	.0	7.7
W	.1	.2	.7	2.4	3.0	.9	.4	.0	.0	.0	10.5
NW	.0	.0	.2	.7	.9	.3	.2	.0	.0	.0	3.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.6	.4	.3	.1	.0	.0	.0	5.2
TOT OBS	49	24	126	557	763	262	103	17	12	15	3478
TOT PCT	.9	.5	2.4	10.7	14.0	5.2	1.9	.3	.2	.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VISIB (NM)

CEILING (FEET)	VISIB (NM)							
	≥ 00 >10	≥ 00 >5	≥ 00 >2	≥ 00 >1	≥ 00 >1/2	≥ 00 >1/4	≥ 00 >50YD	≥ 00 >0
≥ 00 >5000	.5	.5	.5	.5	.5	.5	.5	.5
≥ 00 >4000	.8	.8	.8	.8	.8	.8	.8	.8
≥ 00 >3000	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7
≥ 00 >2000	6.9	7.4	7.9	7.9	7.9	7.9	7.9	7.9
≥ 00 >1000	19.2	21.7	22.1	22.1	22.1	22.1	22.1	22.1
≥ 00 >800	24.6	31.3	32.1	32.7	32.7	32.7	32.7	32.7
≥ 00 >500	28.2	33.5	34.4	34.5	34.6	34.6	34.6	34.6
≥ 00 >300	28.4	33.9	34.9	35.0	35.1	35.1	35.1	35.1
≥ 00 >0	28.7	34.5	35.6	35.8	35.9	35.9	36.0	36.0
TOTAL	1603	1924	1936	1999	2074	2005	2011	2012

TOTAL NUMBER OF OBS: 5584

PCT FREQ NM CS/P: 64.0

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	CSCD	TOTAL
6.2	11.9	15.8	16.1	17.8	9.2	9.4	7.0	10.1	.5	5934

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1975-1979

JULY

AREA 0210 NICARAGUA SW COAST
9.5N 86.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NO-OCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MP)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													6516
TOT PCT													6516

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (MP)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													6781
TOT PCT													6781

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1975-1974

JULY

AREA 0010 NICARAGUA SW COAST
9.54 86.76

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	PC00+	TOTAL	AM <5/8 ANY HGT	TOTAL OBS
0000Z	.4	.4	2.0	7.6	12.8	5.4	1.4	.3	.4	.6	31.9	64.1	1452
0600Z	1.2	.5	2.4	10.5	15.1	4.3	2.2	.2	.2	.1	36.6	63.4	1312
12015	1.1	.6	2.1	11.5	13.4	4.8	1.7	.5	.1	.4	36.2	63.8	1501
18021	.3	.5	2.5	9.4	13.7	5.5	2.0	.2	.2	.1	34.4	65.6	1541
TOT	4.6	2.6	13.1	56.7	79.6	29.1	10.6	1.7	1.3	1.7	201.7	378.9	5806
PCT	.4	.5	2.3	5.8	13.7	5.0	1.5	.3	.2	.3	34.7	65.3	100.0

TABLE 11

PERCENT FREQUENCY USBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.2	.1	.6	1.5	7.4	90.2	1619
0600Z	.2	.1	.2	1.2	12.4	85.7	1657
12015	.5	.3	.3	2.0	10.4	86.4	1407
18021	.2	.1	.5	1.5	8.3	89.4	1434
TOT	2.1	1.0	2.6	11.0	68.6	406.6	6922
PCT	.3	.1	.4	1.6	9.6	87.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF USBY (NM) AND/OR
CEILING HGT (FEET, NM) BY HOUR

HOUR (GMT)	<150 <1000	<600 <1	<1000 <5	1000+ AND 5+	AM <5/8 AND 5+	TOTAL OBS
0000Z	.4	3.5	12.2	21.3	66.5	1387
0600Z	1.3	4.4	15.6	22.5	61.9	1260
12015	1.2	4.3	16.5	21.4	62.2	1446
18021	.3	3.4	13.5	21.9	64.5	1491
TOT	5.0	21.6	80.6	121.4	356.4	5586
PCT	.4	3.9	14.4	21.7	65.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.4	.2	.1	.0	34	.7
85/89	.0	.0	.0	.1	2.2	6.1	1.6	.3	591	10.2
80/84	.0	.0	.0	.0	1.9	20.8	35.9	6.8	3498	65.5
75/79	.0	.0	.1	.0	.0	1.4	11.8	9.7	1292	22.9
70/74	.0	.0	.0	.0	.0	.0	.1	.5	35	.6
TOTAL	.0	.0	.0	.2	14	254	1626	2794	976	5644
PCT	.0	.0	.0	.2	4.5	29.4	44.5	17.2		100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	WW	VAR	CALM
90/94	.0	.1	.2	.1	.1	.1	.1	.1	.0	.0
85/89	1.0	2.4	2.2	.4	.5	.9	1.2	.7	.0	.0
80/84	4.7	12.2	10.8	3.9	5.2	8.3	11.3	3.9	.0	5.2
75/79	1.2	1.4	2.6	1.7	3.1	4.9	5.0	1.6	.0	1.4
70/74	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0
TOTAL	7.1	16.3	15.8	6.1	8.9	14.4	17.7	6.3	.0	7.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	94	89	86	82	77	75	72	81.5	1722
0600Z	87	85	84	80	77	75	69	80.3	1812
12015	92	86	83	80	77	75	70	80.2	1904
18021	94	90	86	81	78	75	69	82.8	2001
TOT	94	89	86	81	77	75	68	81.2	7941

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-24	25-49	50-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
0000Z	.0	.0	3.9	33.0	48.0	14.3	82	1412
0600Z	.0	.1	1.5	19.3	56.4	22.7	85	1410
12015	.0	.1	1.3	17.9	58.7	22.0	85	1485
18021	.0	.1	12.4	43.5	34.4	10.4	79	1493
TOT	.0	.1	25.9	165.6	287.4	100.6	83	5808

PERIOD: (PRI-ARY) 1951-1976
(COVER-ALL) 1976-1976

JULY

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (20°F F) AND THE OCCURRENCE OF FOG (W/THOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (20°F F)

AIR-SEA TEMP DIFF	69 72	73 76	77 80	81 84	85 88	86 92	92	TOT FOG	N FOG	% FOG
14/16	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
9/10	.0	.0	.0	.1	.0	.0	.0	19	.0	.3
7/8	.0	.0	.0	.2	.5	.2	.0	57	.0	.9
6	.0	.0	.0	.1	.5	.1	.0	50	.0	.8
5	.0	.0	.1	.6	1.0	.1	.0	114	.0	1.9
4	.0	.0	.1	1.1	1.1	.2	.0	161	.0	2.6
3	.0	.0	.1	1.5	1.5	.0	.0	194	.0	3.2
2	.0	.0	.4	4.1	1.8	.0	.0	388	.0	6.4
1	.0	.0	.7	5.5	1.1	.0	.0	473	.0	7.7
0	.0	.0	2.5	9.6	1.1	.0	.0	826	.0	13.6
-1	.0	.1	3.3	9.6	.4	.0	.0	605	.0	10.2
-2	.0	.1	7.5	8.3	.1	.0	.0	975	.0	16.0
-3	.0	.2	6.1	8.4	.1	.0	.0	662	.0	10.9
-4	.0	.4	6.3	2.6	.0	.0	.0	563	.0	9.2
-5	.0	.4	3.9	1.3	.0	.0	.0	379	.0	6.3
-6	.0	.7	2.2	.3	.0	.0	.0	194	.0	3.2
-7/+6	.0	1.1	1.8	.0	.0	.0	.0	270	.0	4.5
-8/+10	.0	.3	.3	.1	.0	.0	.0	40	.0	.7
-11/+13	.0	.1	.2	.0	.0	.0	.0	20	.0	.3
-14/+14	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
TOTAL	5	212	2183	3037	54	3		6094	.0	100.0
PCT	.1	3.5	35.8	49.8	5.6	1.0		100.0	.1	100.0

PERIOD: (COVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	1.4	.5	1.4	.1	.0	.0	.0	2.1
1-2	.2	2.0	.4	.0	.0	.0	2.5	.1	3.4	1.0	.0	.0	.0	4.6
3-4	.2	.5	.4	.0	.0	.0	1.9	.1	1.8	1.9	.2	.0	.0	4.0
5-6	.1	.1	.4	.0	.0	.0	.5	.0	.5	2.3	.2	.0	.0	2.6
7	.0	.0	.2	.0	.0	.0	.3	.0	.1	.7	.2	.0	.0	1.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.8	1.2	.1	.0	.0	6.7	.8	7.3	6.1	.9	.0	.0	15.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.6	.0	.0	.0	.0	1.8	.3	.7	.0	.0	.0	.0	1.0
1-2	.2	3.0	1.1	.0	.0	.0	4.3	.3	2.2	.2	.3	.0	.0	2.7
3-4	.1	1.9	1.8	.0	.0	.0	3.8	.1	.7	.5	.1	.0	.0	1.3
5-6	.1	.1	1.7	.2	.0	.0	1.7	.1	.2	.4	.0	.0	.0	.6
7	.0	.0	.4	.1	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.8	4.0	.4	.1	.0	12.5	.7	3.8	1.1	.1	.0	.0	5.8

PERIOD: (OVER-ALL) 1951-1970

JULY

AREA 0010 NICARAGUA S. COAST
9.5N 86.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
C1	.4	1.2	.1	.0	.0	.0	2.7	.7	2.6	.1	.0	.0	.0	3.4	1.3
1-2	.6	2.6	.4	.0	.0	.0	3.6	.8	5.6	1.1	.0	.0	.0	7.5	7.8
3-4	.1	1.0	.5	.0	.0	.0	2.6	.2	2.7	1.7	.0	.0	.0	4.6	4.6
5-6	.1	.2	.1	.1	.0	.0	.6	.1	.6	.9	.0	.0	.0	1.6	1.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.3	.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	7.2	1.7	.1	.0	.0	10.7	1.7	11.6	4.1	.0	.0	.0	17.8	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
C1	.4	2.1	.1	.0	.0	.0	2.6	.4	1.6	.0	.0	.0	.0	2.0	2.0
1-2	.4	6.2	1.8	.0	.0	.0	8.7	.4	2.0	.2	.0	.0	.0	2.6	2.6
3-4	.1	3.1	1.6	.0	.0	.0	5.1	.1	.7	.3	.0	.0	.0	1.0	1.0
5-6	.0	.8	.4	.0	.0	.0	1.4	.1	.2	.0	.0	.0	.0	.3	.3
7	.0	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	12.2	4.7	.0	.0	.0	18.4	.9	4.5	.6	.0	.0	.0	5.9	92.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	C-1	4-10	11-21	22-33	34-47	48+	PCT	TOT
C1	11.6	12.6	.4	.0	.0	.0	24.6	24.6
1-2	3.7	24.0	6.2	.0	.0	.0	33.7	33.7
3-4	1.0	13.2	9.5	.0	.0	.0	24.0	24.0
5-6	.8	2.8	6.2	.0	.0	.0	9.8	9.8
7	.0	.4	1.8	.0	.0	.0	2.7	2.7
8-9	.0	.1	.9	.0	.0	.0	.9	.9
10-11	.0	.0	.1	.0	.0	.0	.2	.2
12	.0	.0	.0	.0	.0	.0	.1	.1
13-14	.0	.0	.0	.0	.0	.0	.1	.1
15-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	17.0	57.0	74.4	1.6	.1	.0	100.0	1540

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	C1	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	17-19	20-22	23-25	26	32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
C6	4.3	23.6	17.8	8.7	2.4	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	244.5	3
6-7	.1	2.2	8.1	8.7	3.7	1.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124.9	5
8-9	.0	.9	2.9	3.7	1.8	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54.2	5
10-11	.0	.7	.7	1.0	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5
12-13	.0	.0	1.0	.9	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	5
313	.0	.0	.0	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7
14607	4.4	1.1	1.6	1.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	473	2
10791	4.2	9.5	16.0	12.2	5.0	1.6	1.0	2.6	2.3	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	501.2	4
PCT	8.0	18.5	22.0	24.2	10.0	3.3	2.0	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1982-1979

AUGUST

AREA 5010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	HAIR	PCPN AT ON TIME	PCPN PAST HOUR	THDR LTNG	FGG	FGG NO	SMOKE	SPRAY	NO	SIG	WFA
N	5.5	2.1	1.6	.0	.0	.0	.3	9.4	5.7	2.6	.3	.0	1.1	.0	81.5		
NE	2.3	1.3	.4	.0	.0	.0	.0	6.7	2.4	4.2	.1	.0	.3	.0	87.4		
E	3.1	2.6	.6	.0	.0	.0	.0	6.1	2.4	3.2	.2	.0	.4	.1	87.4		
SE	3.8	2.7	1.6	.0	.0	.0	.0	8.0	6.3	3.6	.0	.0	.1	.0	82.2		
S	6.4	3.5	4.4	.0	.0	.0	.0	13.4	4.7	2.4	.0	.0	.2	.3	79.2		
SW	6.8	3.4	2.5	.0	.0	.0	.1	12.4	5.7	4.4	.0	.0	.0	.0	76.5		
W	5.6	2.8	2.3	.0	.0	.0	.0	10.2	4.6	4.0	.1	.1	.2	.1	80.6		
NW	5.9	2.6	1.7	.0	.0	.0	.0	9.6	4.0	4.1	.2	.0	.5	.1	80.2		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	2.2	2.2	1.4	.0	.0	.0	.0	6.0	2.2	3.6	.0	.0	.2	.0	86.2		
TOT PCT	4.8	2.7	2.0	.0	.0	.0	.0	6.2	4.4	4.1	.1	.0	.3	.1	82.1		
TOT OBS	6642																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAR	DRZL	FRZG	SNOW	OTHER	HAIR	PCPN AT ON TIME	PCPN PAST HOUR	THDR LTNG	FGG	FGG NO	SMOKE	SPRAY	NO	SIG	WFA
0000	3.2	2.1	1.6	.0	.0	.0	.0	6.7	3.2	1.0	.1	.0	.0	.1	87.9		
0600	4.9	2.8	2.6	.0	.0	.0	.1	10.1	4.4	10.4	.1	.0	.2	.1	76.9		
1200	6.2	3.1	2.2	.0	.0	.0	.1	11.4	5.7	3.8	.1	.0	.4	.0	79.4		
1800	4.7	2.2	1.9	.0	.0	.0	.0	8.1	4.4	.0	.2	.1	.3	.1	86.2		
TOT PCT	4.7	2.7	2.0	.0	.0	.0	.0	6.2	4.5	4.1	.1	.0	.3	.1	82.1		
TOT OBS	6642																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	C-3	4-10	11-20	21-30	31-40	41-50	51-60				00	03	06	09	12	15	18	21
N	.0	3.5	1.1	.0	.0	.0	.0	5.5	7.8	4.5	5.3	3.0	3.7	7.3	7.1	6.4	4.4	
NE	.0	5.4	4.2	.5	.0	.0	.0	11.7	10.7	10.4	4.7	7.7	14.6	12.4	8.6	15.2	13.2	
E	1.3	6.4	9.5	.4	.0	.0	.0	12.8	10.1	12.5	8.1	12.0	12.5	11.4	13.0	15.5	8.5	
SE	1.1	6.4	1.0	.1	.0	.0	.0	6.9	7.3	7.1	5.4	9.4	15.2	4.4	7.0	6.1	7.0	
S	1.6	6.3	1.5	.1	.0	.0	.0	4.5	7.5	11.2	13.4	11.1	10.3	7.6	6.4	7.0	10.0	
SW	1.9	11.4	3.7	.1	.0	.0	.0	17.5	6.2	18.4	24.3	18.3	16.6	17.0	17.5	15.1	10.4	
W	1.7	14.4	4.4	.2	.0	.0	.0	21.3	8.6	22.0	19.7	21.4	14.5	23.3	25.0	18.4	10.4	
NW	.0	4.7	1.4	.1	.0	.0	.0	7.1	7.8	5.6	2.0	5.4	4.4	8.4	4.0	6.6	6.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.8	.0	.0	.0	.0	.0	.0	7.8	.0	7.5	4.1	11.0	4.2	7.2	3.2	6.1	7.3	
TOT OBS	1290	4152	1544	103	1	0	7154	8.0		1540	123	1614	134	1544	217	1654	164	
TOT PCT	14.2	54.0	22.4	1.4	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 4

WIND DIR	C-6	WIND SPEED (KNOTS)				WIND DIR	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41-50				00	03	06	09
N	2.4	2.7	.2	.0	.0		5.5	7.8	4.6	3.1	7.3	7.0
NE	3.5	6.1	2.0	.1	.0		11.7	10.7	10.7	4.7	12.4	15.1
E	4.1	7.0	1.6	.1	.0		12.8	10.1	12.5	8.1	12.0	14.4
SE	3.6	3.2	.2	.0	.0		6.9	7.3	7.1	5.4	9.7	6.2
S	4.5	4.8	.3	.0	.0		4.5	7.5	11.2	13.4	11.1	7.4
SW	7.2	9.6	.7	.0	.0		17.5	6.2	18.4	24.3	18.3	15.4
W	6.0	12.1	.4	.1	.0		21.3	8.6	22.0	19.7	21.4	18.4
NW	3.5	3.0	.2	.0	.0		7.1	7.8	5.6	2.0	5.4	6.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.8	.0	.0	.0	.0		7.8	.0	7.5	4.1	11.0	4.2
TOT OBS	2226	3469	426	23	7154		8.0		1540	123	1614	134
TOT PCT	44.8	48.4	6.0	.3	100.0				100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1954-1974
(COVER-ALL) 1982-1976

AUGUST

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY WDIR (GMT)

WDIR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
07003	7.4	10.5	59.8	21.1	1.3	.0	.0	7.9	100.0	1713
04076	10.8	9.6	60.0	18.5	1.2	.0	.0	7.5	100.0	1757
17615	6.7	9.4	59.0	23.6	1.3	.0	.0	8.1	100.0	1865
14671	6.4	12.0	53.8	26.0	2.0	.1	.0	8.4	100.0	1823
TOT	55.2	74.2	415.2	159.6	103	1	0	8.2		7154
PCT	7.8	10.4	59.0	22.4	1.4	0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (10-100%)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUDS	MEAN CLOUDS
N	.2	.8	2.2	1.4	5.4	5.4
NE	1.0	1.4	5.1	2.7	9.2	9.2
E	2.4	2.8	5.4	2.4	13.0	13.0
SE	.7	1.2	3.9	1.7	9.5	9.5
S	.7	1.2	4.4	2.2	8.5	8.5
SW	.2	2.4	8.7	4.4	15.7	15.7
W	1.5	3.1	10.2	4.2	19.0	19.0
NW	.4	1.0	9.4	1.8	12.6	12.6
VAR	.0	.0	.0	.0	.0	.0
CALM	1.4	1.7	3.5	1.4	8.0	8.0
TOT OBS	4.7	9.9	24.3	14.9	54.8	4.7
TOT PCT	10.1	17.0	44.9	24.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/M) AND OCCURRENCE OF NH CLOUD BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+	MEAN	TOTAL OBS
N	.2	.8	2.2	1.4	.0	.0	.0	.0	4.6	5.4
NE	1.0	1.4	5.1	2.7	.0	.0	.0	.0	10.2	9.2
E	2.4	2.8	5.4	2.4	.0	.0	.0	.0	13.0	13.0
SE	.7	1.2	3.9	1.7	.0	.0	.0	.0	9.6	9.5
S	.7	1.2	4.4	2.2	.0	.0	.0	.0	8.5	8.5
SW	.2	2.4	8.7	4.4	.0	.0	.0	.0	15.7	15.7
W	1.5	3.1	10.2	4.2	.0	.0	.0	.0	19.0	19.0
NW	.4	1.0	9.4	1.8	.0	.0	.0	.0	12.6	12.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4	1.7	3.5	1.4	.0	.0	.0	.0	8.0	8.0
TOT OBS	4.7	9.9	24.3	14.9	0	0	0	0	54.8	54.8
TOT PCT	10.1	17.0	44.9	24.0	0	0	0	0	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (FT/M) AND VSBY (KMP)

CEILING (FT/M)	1 OR 310	2 OR 35	3 OR 32	4 OR 31	5 OR 31/2	6 OR 31/4	7 OR 31/8	8 OR 31/16
1 OR 31000	.5	.6	.6	.6	.6	.6	.6	.6
2 OR 35000	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3 OR 32000	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
4 OR 31000	7.9	8.6	8.7	8.7	8.7	8.7	8.7	8.7
5 OR 31000	20.0	22.4	22.7	22.8	22.8	22.8	22.8	22.8
6 OR 31000	24.3	26.1	26.2	26.2	26.2	26.2	26.2	26.2
7 OR 31000	25.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0
8 OR 31000	25.7	27.4	27.4	27.4	27.4	27.4	27.4	27.4
9 OR 31000	26.1	27.8	27.8	27.8	27.8	27.8	27.8	27.8
TOTAL	27.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4

TOTAL NUMBER OF OBS: 548

PCT FREQ NH CLOUD: 59.6

TABLE 8

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

	1	2	3	4	5	6	7	8	9	TOTAL OBS
5.0	10.4	15.4	15.8	17.4	9.7	10.2	8.4	12.2	.8	59.6

PERIOD: (PRIMARY) 1-54-1979
(OVER-ALL) 1-82-1979

AUGUST

AREA: NCID NICARAGUA SW COAST
9.5% 86.7%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OPS
<1/2	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.5	
2<5	PCP	.1	.0	.1	.1	.1	.4	.2	.0	.0	.0	1.7	
	NO PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	
	TOT %	.1	.0	.1	.1	.1	.5	.3	.0	.0	.0	1.7	
5<10	PCP	.1	.2	.3	.2	.4	.8	.7	.1	.0	.2	3.0	
	NO PCP	.4	.6	.7	.5	.7	1.4	1.8	.6	.0	.4	7.2	
	TOT %	.5	.8	1.0	.7	1.1	2.2	2.5	.7	.0	.6	10.2	
10+	PCP	.2	.3	.4	.2	.8	1.0	1.0	.8	.0	.2	4.7	
	NO PCP	4.4	10.6	11.6	5.8	7.4	13.7	16.9	4.5	.0	6.9	82.7	
	TOT %	4.7	10.9	12.0	6.0	8.2	14.7	17.9	5.3	.0	7.1	87.3	
TOT OPS													6428
TOT PCT													5.3 11.4 13.2 6.0 8.2 14.7 17.9 5.3 .0 7.1 10.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	WIND SPEED (KTS)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OPS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.1	.1	.1	.2	.3	.2	.1	.0	.0	1.2	
	11-21	.0	.0	.1	.0	.2	.2	.1	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	.2	.2	.5	.4	.2	.0	.0	2.0	
5<10	0-3	.0	.0	.1	.1	.1	.2	.2	.1	.0	.0	1.4	
	4-10	.4	.4	.4	.4	.6	1.1	1.4	.5	.0	.0	5.2	
	11-21	.1	.3	.4	.2	.3	.9	.6	.2	.0	.0	3.2	
	22+	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.3	
	TOT %	.5	.8	.9	.7	1.0	2.3	2.6	.6	.0	.0	10.1	
10+	0-3	.9	.9	1.2	1.0	1.4	1.7	1.5	.8	.0	7.0	16.3	
	4-10	2.9	5.5	6.2	4.3	5.5	10.4	12.3	4.0	.0	.0	51.0	
	11-21	.9	4.0	4.1	.8	1.7	2.5	4.0	1.1	.0	.0	18.6	
	22+	.0	.4	.4	.0	.0	.1	.1	.0	.0	.0	1.0	
	TOT %	4.7	10.8	11.9	6.0	8.1	14.7	17.9	5.9	.0	7.0	87.0	
TOT OPS													6663
TOT PCT													5.4 11.8 13.1 6.9 9.4 17.7 21.0 6.9 .0 7.7 10.0

PERIOD: (PRIMARY) 1964-1974
(COVER-ALL) 1967-1979

AUGL

AREA NOID NICARAGUA SW COAST
9.5N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	.7	.7	2.5	10.4	11.0	5.6	1.9	.9	.3	.3	15.3	64.7	1492				
0600	1.9	.4	2.0	12.4	13.7	4.8	1.9	.3	.4	.4	39.6	60.4	1328				
1200	1.0	.7	4.4	13.7	15.4	4.4	2.2	.5	.4	.4	43.1	56.9	1529				
1800	.4	.6	3.1	11.5	14.0	6.1	2.4	.7	.0	.1	36.6	61.2	1419				
TOT	4.8	2.4	12.7	49.7	54.1	21.1	8.2	2.1	1.6	1.6	226.3	350.5	5768				
PCT	1.0	.7	3.2	12.1	13.7	5.2	2.1	.6	.3	.3	39.2	60.8	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.1	.2	.7	1.3	8.7	89.1	1673
0600	.1	.3	.4	1.8	11.1	86.2	1692
1200	.1	.2	.4	2.7	10.4	86.1	1807
1800	.4	.2	.5	2.5	9.9	86.6	1712
TOT	12	16	36	142	690	5988	6884
PCT	.2	.2	.5	2.1	10.0	87.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM) >4/8, BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <1	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000	.4	4.2	15.3	21.2	63.5	1445
0600	1.9	5.9	19.3	21.7	59.0	1286
1200	1.1	6.4	21.4	23.3	55.3	1466
1800	.5	4.6	16.8	23.2	60.0	1384
TOT	59	294	1014	1244	3319	5581
PCT	1.1	5.3	18.2	22.4	59.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	1	.4
90/94	.0	.0	.0	.1	.1	.2	.0	.0	29	.5
85/89	.0	.0	.0	.1	1.4	4.8	1.1	.3	463	8.2
80/84	.0	.0	.0	.1	1.3	19.4	34.4	6.6	3484	61.8
75/79	.0	.0	.0	.0	.0	1.4	13.7	13.6	1620	28.8
70/74	.0	.0	.0	.0	.0	.0	.1	.6	37	.7
TOTAL	0	0	0	17	194	1451	2781	1166	5134	100.0
PCT	.0	.0	.0	.7	3.4	25.6	49.4	21.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.1	.0	.0	.1	.1	.1	.0	.0	.0
.6	1.5	1.7	.6	.6	.9	1.1	.6	.0	.7
3.4	8.2	8.6	4.4	5.0	10.1	12.6	3.9	.0	5.1
1.1	1.6	2.2	1.7	3.5	6.8	7.4	2.2	.0	2.1
.0	.0	.0	.0	.1	.2	.0	.0	.0	.1
5.2	11.4	12.4	6.8	9.6	18.0	21.4	6.8	.0	8.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	90%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	94	87	85	81	77	75	70	81.2	1753
0600	89	85	83	80	76	74	72	80.0	1804
1200	90	85	82	80	76	74	70	79.8	1906
1800	93	90	88	82	77	75	71	82.5	1861
TOT	95	88	86	81	77	74	70	80.9	7324

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	.2	7.0	24.6	52.4	15.7	83	1480		
0600	.0	.1	.0	16.6	55.6	26.8	85	1446		
1200	.0	.4	.7	14.7	55.7	28.5	86	1517		
1800	.0	.6	9.2	43.4	33.6	13.0	79	1388		
TOT	0	19	194	1490	2892	1234	83	5831		

AUGUST

PERIOD: (PRIMARY) 1954-1976
(OVER-ALL) 1982-1971AREA NO10 NICARAGUA S.W. COAST
9.5N 86.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DGC F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DGC F)

AIR-SEA TEMP DIF	64 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
14/16	.0	.0	.0	.0	*	.0	1	.0	*
11/13	.0	.0	.0	*	*	.0	5	.0	.1
9/10	.0	.0	.0	*	.1	.1	1*	.0	.2
7/8	.0	.0	.1	.2	.5	.1	52	.0	.4
6	.0	.0	*	.2	.4	.1	46	.0	.8
5	.0	.0	.1	.5	.7	.1	46	.0	1.5
4	.0	.0	.1	.9	1.0	.1	178	.0	2.1
3	.0	*	.2	1.1	1.2	*	167	.0	2.6
2	.0	*	.8	3.4	1.3	.0	335	.0	5.5
1	.0	*	1.4	4.2	1.1	*	407	*	6.7
0	.0	.1	2.9	8.5	.8	*	748	*	12.4
-1	*	.1	4.7	4.2	.6	.0	823	*	13.6
-2	.0	.3	7.4	7.5	.1	.0	976	.0	15.3
-3	.0	.3	7.7	4.6	.1	.0	775	*	12.8
-4	.0	.3	6.9	2.7	.0	.0	596	*	9.4
-5	.0	.5	4.7	1.2	*	.0	390	*	6.4
-6	.0	.4	3.0	.3	.0	.0	227	*	3.7
-7/-8	*	1.1	1.7	.5	.0	.0	204	.0	3.4
-9/-10	.1	.7	.5	.1	.0	.0	93	.0	1.3
-11/-12	.1	.1	.1	*	.0	.0	70	.0	.3
-14/-16	.1	.0	.0	*	.0	.0	5	.0	.1
TOTAL	16		2561	786		3		7	6073
		2.3	2678	43			6040		
PCT	.3	4.2	42.4	44.3	8.0	.7	100.0	.1	99.9

PERIOD: (OVER-ALL) 1985-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9	.3	.9	.1	.0	.0	.0	1.5
1-2	.2	2.2	.1	.0	.0	.0	2.5	.4	2.7	.4	.0	.0	.0	3.5
3-4	.0	.4	.6	.0	.0	.0	.9	.1	1.2	1.9	.1	.0	.0	3.3
5-6	.0	.3	.4	*	.0	.0	.7	.0	.3	1.0	.1	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.3	.0	*	.4	.1	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.6	1.1	*	.0	.0	5.2	.7	5.1	4.0	.4	.0	.0	10.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.9	.1	.0	.0	.0	1.6	.3	.6	*	.0	.0	.0	.9
1-2	.5	3.2	.4	.0	.0	.0	4.0	.4	2.1	.3	.0	.0	.0	2.8
3-4	*	1.9	1.5	.0	.0	.0	3.4	.1	.7	.3	.0	.0	.0	1.2
5-6	.0	.6	.9	.2	.0	.0	1.7	.0	.2	*	*	.0	.0	.4
7	.0	*	.5	*	.0	.0	.6	.0	.1	*	.3	.0	.0	.1
8-9	.0	.0	.1	*	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.6	3.4	.2	.0	.0	11.5	.8	3.9	.9	.1	.0	.0	5.5

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	5+						5+							
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
4-10	1.3	6.7	1.4	1.1	1.3	10.2	2.0	2.0	13.0	3.4	2.2	1.0	18.8	
<1	.8	1.2	.1	.0	.0	.0	2.2	.7	1.7	.8	.0	.0	.0	2.5
1-2	.5	3.6	.7	.0	.0	.0	4.4	1.0	6.6	.7	.0	.0	.0	8.4
3-4	.3	1.6	.9	.0	.0	.0	2.7	.2	3.4	1.7	.2	.0	.0	5.4
5-6	.0	.2	.7	.0	.0	.0	.5	1.1	1.1	.8	.0	.0	.0	2.0
7	.0	.1	.1	.1	.1	.0	.2	.0	.8	.4	.0	.0	.0	.4
8-9	.0	.1	.8	.0	.0	.0	.1	.0	.0	.8	.8	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	6.7	1.4	1.1	1.3	10.2	2.0	2.0	13.0	3.4	2.2	1.0	18.8	

N														Total	
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
4-7															
5-1	.6	2.6		.0	.0	.0	1.5	.3	1.7	.0	.0	.0	.0	1.3	
1-2	.7	6.2	1.4	.0	.0	.0	10.2	.4	3.2	.5	.0	.0	.0	4.1	
3-4	.1	3.1	1.0	*	.0	.0	6.1	.0	1.2	1.0	.0	.0	.0	2.2	
5-6	.1	.7	1.1	.0	.0	.0	2.1	.0	.2	.1	.0	.0	.0	.3	
7	.0	.1	.4	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	
8-9	.0	.1	.1	*	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
43-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	14.9	5.4	.1	.0	.0	22.8	.7	5.6	1.4	.0	.0	.0	9.2	92.4

WIND SPEED 1 VS SEA HEIGHT (FT)

	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
4-10	12.4	17.1	1.3	1.0	1.0	1.0	22.4	100.0
1-2	4.5	31.2	4.2	1.0	1.0	1.0	39.4	
3-4	1.9	12.0	10.5	1.0	1.0	1.0	24.7	
5-6	1.1	3.4	4.9	1.0	1.0	1.0	8.7	
7	1.0	1.7	2.0	1.0	1.0	1.0	2.9	
8-9	1.0	1.1	1.4	1.0	1.0	1.0	1.7	
10-11	1.0	1.1	1.0	1.0	1.0	1.0	1.0	
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
13-14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
15-16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
17-19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
20-22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
23-25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
26-32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
33-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
41-46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
49-60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
61-70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
71-86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
87+	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

TOTAL PCT 17.4 54.5 72.1 1.1 1.0 1.0 100.0

PERIOD: (OVER-ALL) 1940-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	2-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.8	14.5	16.7	7.7	2.7	1.1	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	244.1
6-7	2.2	2.0	7.7	8.0	4.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	124.0
8-9	1.0	1.0	2.0	3.0	3.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	49.4
10-11	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	19.0
12-13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.5
>13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.4
UNDEF	1.1	1.4	7.0	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1
TOTAL	517	1602	1565	1170	522	177	95	17	13	12	3	0	0	0	0	0	0	0	0	0	510.4
PCT	10.1	19.6	21.0	22.9	10.2	3.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1977-1979AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FZLN PCPN	HALE	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTAG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLWG DUST	NO SIG BLWG	SEA
N	5.3	3.2	.6	.0	.0	.0	8.9	7.2	5.6	.0	.0	.4	.4	.4	77.9
NE	2.9	3.9	1.3	.0	.0	.0	7.5	4.7	5.1	.4	.0	.0	.0	.0	82.9
E	3.8	2.8	1.5	.0	.0	.0	7.9	3.9	5.3	.1	.0	.4	.0	.0	82.8
SE	5.2	2.7	2.4	.0	.0	.0	10.1	5.0	8.0	.0	.0	.0	.5	.5	77.1
S	5.6	3.9	2.5	.0	.0	.0	11.8	4.7	4.8	.0	.0	.0	.1	.1	78.4
SW	7.5	3.7	2.2	.0	.0	.0	15.5	5.0	3.6	.4	.0	.0	.0	.0	77.3
W	6.0	4.9	2.1	.0	.0	.1	19.6	6.1	3.7	.1	.0	.2	.1	.1	77.3
NW	4.6	3.9	1.2	.0	.0	.0	10.5	4.9	3.7	.2	.0	.4	.0	.0	80.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3	1.5	.4	.0	.0	.0	3.6	3.0	5.1	.2	.0	.4	.0	.0	87.3
TOT PCT	5.5	3.8	1.9	.0	.0	.0	11.0	5.3	4.4	.1	.0	.2	.1	.1	79.2
TOT OBS:	6241														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FZLN PCPN	HALE	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTAG	FOG NO PCPN	FOG NO PCPN PAST HR	SHORE HAZE	SPRAY BLWG DUST	NO SIG BLWG	SEA
0000	4.0	3.3	1.2	.0	.0	.0	7.5	4.7	2.3	.1	.0	.3	.1	.1	84.4
0600	6.2	4.6	2.0	.0	.0	.0	12.4	5.0	12.2	.1	.0	.3	.1	.1	70.5
1200	6.7	4.2	2.3	.0	.0	.0	13.0	6.2	3.6	.1	.0	.2	.1	.1	77.2
1800	4.8	3.1	1.8	.0	.0	.0	9.6	5.7	.4	.1	.0	.1	.0	.0	89.6
TOT PCT	5.4	3.7	1.5	.0	.0	.0	10.9	5.2	4.5	.1	.0	.2	.1	.1	79.2
TOT OBS:	6422														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	06	12	18	24	00	06	12
N	.8	2.4	.4	.0	.0	.0	3.6	6.9	1.4	.7	2.7	2.4	5.3	8.0	5.1	7.2	7.2
NE	.5	3.4	1.4	.2	.0	.0	5.5	5.3	2.4	2.8	3.2	3.6	6.7	9.5	7.7	8.2	8.2
E	.8	4.6	2.0	.1	.0	.0	7.0	9.1	1.4	6.7	4.9	7.7	5.8	6.8	9.0	7.4	7.4
SE	1.0	4.7	1.1	.0	.0	.0	6.8	7.2	7.7	6.4	7.6	10.7	4.8	7.5	6.9	5.6	5.6
S	1.5	7.7	2.0	.1	.0	.0	11.2	7.8	13.1	13.8	12.5	9.1	8.9	11.2	9.7	11.6	11.6
SW	2.0	17.7	5.2	.2	.0	.0	21.1	4.8	24.1	25.5	21.3	21.3	19.7	19.5	20.2	22.8	22.8
W	2.3	17.6	8.0	.1	.0	.0	28.0	4.7	29.4	26.1	24.4	27.4	30.5	21.5	25.8	27.8	27.8
NW	1.0	5.7	1.9	.1	.0	.0	8.4	5.2	6.6	6.2	4.1	10.1	10.6	8.4	9.2	5.0	5.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.0	.0	.0	.0	.0	.0	8.0	.0	7.6	11.0	9.3	14.2	.0	7.3	6.7	3.4	3.4
TOT OBS	1274	2224	1564	60	0	0	7130	7.9	1541	100	1599	154	1612	219	1776	176	176
TOT PCT	17.9	56.2	21.9	.1	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+	42+				00	06	12	24
N	2.0	1.1	.1	.0	.0	.0	3.6	6.9	1.4	7.7	5.6	4.9	4.9
NE	2.4	2.7	.6	.0	.0	.0	5.7	9.3	3.4	3.2	1.0	7.8	7.8
E	2.7	3.6	.7	.0	.0	.0	7.0	9.1	1.4	6.6	6.8	8.9	8.9
SE	3.7	4.5	.2	.0	.0	.0	6.8	7.2	7.7	7.6	5.2	6.4	6.4
S	5.2	5.1	.5	.0	.0	.0	11.2	7.8	13.8	12.3	9.2	9.8	9.8
SW	7.9	12.2	1.0	.1	.0	.0	21.1	4.8	24.1	21.3	14.0	22.5	22.5
W	9.6	17.1	1.3	.0	.0	.0	28.0	4.7	29.4	27.9	29.4	25.2	25.2
NW	3.7	4.6	.3	.0	.0	.0	8.4	5.2	6.6	6.2	10.3	5.2	5.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.0	.0	.0	.0	.0	.0	8.0	.0	7.6	10.0	7.5	6.9	6.9
TOT OBS	3775	1587	326	0	0	0	7130	7.9	1541	100	1599	154	1612
TOT PCT	45.0	50.3	4.6	.0	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1977-1979

AREA U.L.D. NICARAGUA SW COAST
9.5' 86.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	-GUR	CAL	1-5	4-10	WIND 11-21	SOILED 22-33	(KNOWS) 34-47	48-	WASH	PCT FREC	TOTAL OES
QDE93	7.9	9.8	60.5	21.2	.7	.0	.0	.0	7.9	100.0	1650
QDE09	10.0	9.5	59.1	21.3	.6	.1	.0	.0	7.6	100.0	1753
17615	7.5	8.6	60.1	22.6	1.0	.0	.0	.0	8.0	100.0	1833
11621	8.9	11.2	54.2	22.5	1.1	.1	.0	.0	8.0	100.0	1861
TC1	7.5	7.0	52.6	22.6	1.0	.0	.0	.0	7.9	100.0	1730
PCT	8.0	9.5	57.3	23.9	.8	.1	.0	.0	100.0		

PCI FREQ OF TOTL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WAG DIA	2-7	3-4	5-7	8 OBSCH	TOTAL DES	MEAN CLOUD COVER
A	.2	.7	1.9	1.1		5.0
AE	.4	1.0	2.4	1.7		5.6
E	.6	1.5	3.9	1.2		5.5
SE	.6	1.3	2.6	1.0		5.7
S	.8	1.9	3.3	3.0		6.1
SW	.8	2.5	1.7	7.6		6.4
NW	2.0	4.5	13.2	4.0		6.1
W	.4	1.2	3.6	2.4		5.9
WV	.0	.0	.0	.0		6.0
CALW	.0	1.3	3.7	1.5		5.4
TOT OBS	356	403	2417	1561	5337	6.0
TOT PCT	6.0	15.4	47.1	32.4	100.0	

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, MM) 24/1
AND OCCURRENCE OF WH ≤ 10 BY WIND DIRECTION

WAG	DIN	0-7	8-9	5-7	8 & OBSCTN	TOTAL DES	MEAN CLOUD COVER	POD 140	150 290	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ % WGT	(S/R) TOTAL OBS
A	-2	.7	1.9	1.1	5.9			.1	*	.1	.5	.6	.2	* .1	* .0	* .0	2.2	
AE	.4	1.0	2.6		5.6			*	.2	.4	.7	.3	.1	*	.0	*	3.4	
E	.6	1.5	3.9	1.2	5.5			.1	*	.1	.7	1.0	.3	.1	*	*	4.7	
SF	.6	1.3	2.6	1.0	5.7			*	*	.3	.7	1.0	.4	.2	*	.0	3.7	
S	.8	1.9	5.3	3.0	6.1			.1	.2	.4	1.4	2.0	.6	.3	.1	*	6.1	
SW	.8	2.5	17.2	7.6	6.4			.3	.3	1.3	3.5	4.0	1.3	.4	.1	*	9.9	
Nk	2.0	.4	13.2	4.4	6.3			.5	.2	1.3	4.7	5.0	1.6	.2	*	*	15.7	
Na	.4	1.2	3.6	2.4	5.9			*	*	.2	1.0	1.4	.6	.2	*	*	4.8	
VAD	.0	*	.0	*	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	
CALM	.0	1.3	3.7	1.4	5.2			*	.2	.4	1.3	.3	.1	*	.1	*	4.9	
TOT OBS	356	403	2417	354	5137		6.0	69	31	205	674	555	787	168	28	9	17	2853
TOT POD	6.9	15.6	47.1	15.4	100.0			1.3	.6	4.0	13.1	18.6	5.6	2.1	.5	.2	.3	55.5

CUMULATIVE ACT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (1.4 M/5 FT) AND VSBY (NM)

	VSRV (KWH)							
	± OR (FLEET)	± OR 210	± OR 25	± OR 32	± OR 38	± OR 21/2	± OR 21/4	± OR 20/00
± OR 26500	.5	.5	.5	.5	.5	.5	.5	.5
± OR 27000	.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
± OR 27500	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
± OR 28000	1.4	4.4	4.4	4.7	4.7	4.7	4.7	4.7
± OR 28500	21.3	24.6	25.4	25.5	25.6	25.6	25.6	25.6
± OR 29000	31.2	37.3	38.3	38.5	38.6	38.6	38.7	38.7
± OR 29500	33.5	40.4	42.1	42.4	42.5	42.5	42.6	42.6
± OR 30000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 30500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 31000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 31500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 32000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 32500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 33000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 33500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 34000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 34500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 35000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 35500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 36000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 36500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 37000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 37500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 38000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 38500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 39000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 39500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 40000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 40500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 41000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 41500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 42000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 42500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 43000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 43500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 44000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 44500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 45000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 45500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 46000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 46500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 47000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 47500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 48000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 48500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 49000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 49500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 50000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 50500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 51000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 51500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 52000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 52500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 53000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 53500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 54000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 54500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 55000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 55500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 56000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 56500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 57000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 57500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 58000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 58500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 59000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 59500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 60000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 60500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 61000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 61500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 62000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 62500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 63000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 63500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 64000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 64500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 65000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 65500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 66000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 66500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 67000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 67500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 68000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 68500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 69000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 69500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 70000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 70500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 71000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 71500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 72000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 72500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 73000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 73500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 74000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 74500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 75000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 75500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 76000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 76500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 77000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 77500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 78000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 78500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 79000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 79500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 80000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 80500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 81000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 81500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 82000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 82500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 83000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 83500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 84000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 84500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 85000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 85500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 86000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 86500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 87000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 87500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 88000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 88500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 89000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 89500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 90000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 90500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 91000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 91500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 92000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 92500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 93000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 93500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 94000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 94500	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 95000	33.7	43.0	45.6	45.9	46.1	46.1	46.2	46.2
± OR 95500	33.7							

PCT FOEC 1.H (5/8): CS.5

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
2.3	7.9	14.7	16.2	17.9	9.9	11.1	8.6	14.5	1.4	5557

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1977-1979

REF: TEMPER

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
PCP	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.3	
NO PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.3	
PCP	.1	.1	.1	.0	.1	.3	.3	.1	.0	.0	1.2	
NO PCP	.0	.0	.1	.0	.2	.2	.1	.1	.0	.0	.6	
TOT 1	.1	.1	.1	.1	.3	.5	.4	.2	.0	.1	1.7	
PCP	.1	.1	.1	.2	.5	1.2	1.5	.4	.0	.0	6.4	
NO PCP	.3	.4	.4	.7	.8	2.7	2.4	.7	.0	.5	4.5	
TOT 1	.4	.7	.7	.9	1.4	3.2	3.9	1.1	.0	.5	12.0	
PCP	.1	.2	.2	.3	.5	1.1	1.5	.3	.0	.2	4.2	
NO PCP	3.2	4.6	6.2	5.2	6.7	16.0	22.2	7.0	.0	6.8	79.8	
TOT 1	3.3	4.7	6.4	5.5	9.3	17.1	23.7	7.3	.0	6.9	84.1	
TOT OBS												6257
TOT PCT	3.4	5.6	7.3	6.6	11.0	21.0	28.4	8.7	.0	7.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SFD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.5	
11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT 1	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.9	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
4-10	.1	.1	.1	.1	.1	.3	.3	.2	.2	.0	.0	1.3	
11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.6	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT 1	.2	.2	.1	.1	.1	.4	.5	.5	.2	.0	.1	2.3	
0-3	.1	.0	.1	.1	.1	.1	.2	.0	.0	.5	1.2		
4-10	.3	.4	.5	.5	.9	1.9	2.1	.7	.0	.7	7.2		
11-21	.1	.2	.2	.3	.5	1.2	1.5	.3	.0	.0	4.1		
22+	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.2		
TOT 1	.4	.7	.8	1.0	1.4	3.2	3.6	1.0	.0	.5	12.8		
0-3	.6	.4	.6	.6	.4	1.4	1.7	2.0	.9	.0	7.2	15.7	
4-10	2.2	2.9	3.5	4.0	6.3	11.2	11.1	4.7	.0	.0	49.8		
11-21	.4	1.2	1.9	.7	1.5	3.6	6.2	1.8	.0	.0	17.3		
22+	.0	.1	.1	.0	.0	.2	.0	.1	.0	.0	.6		
TOT 1	3.2	4.6	6.3	5.5	9.2	16.9	23.3	7.2	.0	.7	73.4		
TOT OBS													6564
TOT PCT	3.8	5.5	7.2	6.8	11.2	20.9	28.0	8.6	.0	7.8	100.0		

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1477-1979

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/P) AND
OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	CEC	150	300	600	1000	2500	3500	5000	6500	8000+	TOTAL	AM <5/8 ANY HGT	TOTAL OBS
0000Z	1.1	.7	3.5	12.1	16.1	4.9	1.7	.7	.1	.4	41.3	58.7	1382
0600Z	1.7	.5	2.4	13.1	16.1	5.5	2.2	.4	.3	.6	43.6	56.2	1208
1201Z	1.2	.6	4.2	14.3	17.6	5.3	2.0	.4	.1	.1	45.9	54.1	1422
1802Z	1.3	.5	4.0	11.6	15.5	5.9	2.5	.6	.1	.2	42.4	57.6	1384
TOT	70	31	206	641	896	491	111	26	9	17	2340	3056	5196
PCT	1.3	.6	3.8	12.0	16.4	5.4	2.1	.5	.2	.3	43.4	56.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000Z	.3	.3	.4	1.9	10.2	86.6	1562
0600Z	.2	.4	1.6	2.1	14.5	81.4	1631
1201Z	.3	.2	.6	3.1	14.1	81.6	1736
1802Z	.5	.2	.9	2.0	11.9	84.5	1748
TOT	22	19	57	153	854	5598	6707
PCT	.3	.3	.4	2.3	12.9	83.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	1.0	5.4	18.5	23.9	57.6	1348
0600Z	1.7	5.6	20.4	24.7	54.9	1170
1201Z	1.2	6.4	21.9	25.9	52.2	1369
1802Z	1.3	6.1	18.6	24.9	56.4	1347
TOT	64	211	1040	1301	2893	5234
PCT	1.3	5.9	19.9	24.9	55.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
92/94	.0	.0	.0	.1	.4	.2	.0	.0	39	.7
85/89	.0	.0	.0	.0	1.7	4.2	1.2	.2	376	6.9
80/84	.0	.0	.0	.0	.8	15.7	32.1	6.4	2980	55.0
75/79	.0	.0	.0	.0	.0	1.4	18.0	16.4	1963	36.2
70/74	.0	.0	.0	.0	.0	.0	.2	.9	59	1.1
TOTAL	0	0	0	0	133	1167	2791	1297	5417	100.0
PCT	.0	.0	.0	.0	2.4	21.9	51.5	23.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
92/94	.1	.1	.1	.0	.0	.1	.2	.1	.0	.1
85/89	.4	.8	.9	.5	.6	1.0	1.6	.8	.0	.4
80/84	2.4	3.5	4.6	3.7	5.9	10.3	14.9	4.7	.0	4.9
75/79	.9	1.0	1.6	1.4	4.5	9.3	12.0	2.9	.0	2.2
70/74	.1	.1	.1	.1	.1	.3	.1	.0	.0	.0
TOTAL	3.9	5.4	7.3	6.1	11.1	21.1	28.9	8.5	.0	7.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	90%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	92	86	84	81	77	74	69	80.5	1681
0600Z	84	84	83	80	76	74	71	79.6	1745
1201Z	89	84	83	79	76	74	69	79.4	1849
1802Z	94	87	84	82	77	74	72	82.3	1921
TOT	94	87	86	82	76	74	69	80.5	7236

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	.1	1.7	23.3	55.9	19.5	.6	.6	84	1347
0600Z	.0	.0	.0	13.5	57.0	28.9	.6	.6	86	1374
1201Z	.0	.1	.4	13.9	54.7	30.9	.6	.6	86	1442
1802Z	.0	.4	7.6	36.9	39.4	15.7	.6	.6	81	1366
TOT	0	6	13	121	287	1323	84	549		

SEPTEMBER

PERIOD: (PRIMARY) 1952-1975
(OVER-ALL) 1877-1979

AREA 0010 NICARAGUA SW COAST
9.54 86.70

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	% FOG
14/14	.0	.0	.0	.0	.0	.0	3	.0	.1
12/13	.0	.0	.0	.0	.1	.0	5	.0	.1
9/10	.0	.0	.0	.1	.1	.0	20	.0	.3
7/8	.0	.0	.0	.3	.3	.0	57	.0	1.0
6	.0	.0	.0	.2	.5	.0	49	.0	.8
5	.0	.0	.1	.4	.1	.0	82	.0	1.4
4	.0	.0	.2	.9	.2	.0	126	.0	2.2
3	.0	.0	.4	.9	1.1	.0	140	.0	2.4
2	.0	.0	.6	2.7	1.2	.0	266	.0	4.6
1	.0	.0	1.3	3.6	.4	.0	348	.0	6.0
0	.0	.2	3.4	7.5	.6	.0	698	.1	12.0
-1	.0	.1	5.5	6.9	.3	.0	739	.0	12.7
-2	.0	.3	9.1	7.1	.1	.0	562	.0	10.6
-3	.0	.3	7.8	3.4	.1	.0	700	.0	12.1
-4	.0	.2	7.4	2.2	.0	.0	416	.0	10.6
-5	.0	.1	5.5	1.4	.0	.0	444	.0	7.7
-6	.0	.1	2.8	.3	.0	.0	229	.0	3.9
-7/-8	.0	1.4	2.2	.2	.0	.0	222	.0	3.8
-9/-10	.1	.7	.4	.0	.0	.0	67	.0	1.2
-11/-13	.1	.2	.1	.0	.0	.0	20	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	10	22	2751	411	57	3	5798	.1	57.2
PCT	.2	4.6	47.4	38.7	7.1	1.0	170.6	.1	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.7	.0	.0	.0	.0	1.1	.1	.6	.1	.0	.0	.0	.8
1-2	.4	1.3	.2	.0	.0	.0	1.4	.1	1.0	.7	.0	.0	.0	1.4
3-4	.1	.3	.3	.0	.0	.0	.7	.1	.7	.4	.1	.0	.0	1.4
5-6	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.5	.6	.0	.0	.0	3.4	.4	2.3	1.3	.2	.0	.0	4.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.1	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	1.0
1-2	.4	1.7	.7	.0	.0	.0	2.8	.2	2.4	.3	.0	.0	.0	2.8
3-4	.0	1.2	.4	.0	.0	.0	2.1	.1	.9	.4	.0	.0	.0	1.4
5-6	.0	.1	.2	.1	.0	.0	.5	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.6	2.4	.1	.0	.0	5.5	.6	4.3	.4	.0	.0	.0	5.7

PERIOD: (OVLG-ALL) 1963-1970

SEPTEMBER

ARPA 0010 NICARAGUA SW COAST
9.54 86.7M

TABLE 10 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	1.3	.1	.0	.0	.0	1.7	.6	1.6	.0	.0	.0	.0	2.5	
1-2	.4	3.5	.8	.0	.0	.0	4.5	.6	7.6	1.7	.0	.0	.0	9.9	
3-4	.1	1.7	1.1	.0	.0	.0	2.9	.1	4.6	2.7	.1	.0	.0	7.5	
5-6	.1	.5	.4	.0	.0	.0	.9	.0	.8	1.9	.1	.0	.0	2.8	
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.3	.1	.0	.0	.4	
8-9	.0	.1	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	7.0	2.6	.0	.0	.0	10.4	1.3	14.9	6.7	.3	.0	.0	23.2	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	2.4	.1	.0	.0	.0	3.3	.3	1.0	.1	.0	.0	.0	1.4	
1-2	.7	5.0	3.0	.0	.0	.0	12.6	.3	2.6	.9	.0	.0	.0	3.8	
3-4	.3	5.3	4.3	.0	.0	.0	10.5	.0	1.5	1.1	.0	.0	.0	2.6	
5-6	.1	1.2	2.8	.1	.0	.0	4.2	.0	.3	.4	.0	.0	.0	.7	
7	.0	.2	.8	.0	.0	.0	.9	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.1	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	18.1	11.0	.2	.0	.0	31.1	.6	5.4	2.6	.0	.0	.0	9.6	93.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.5	9.3	.4	.0	.0	.0	20.2	
1-2	1.4	29.4	7.5	.0	.0	.0	39.4	
3-4	.9	14.7	11.0	.3	.0	.0	27.7	
5-6	.1	3.0	5.9	.0	.0	.0	9.0	
7	.0	.5	1.8	.1	.0	.0	2.4	
8-9	.0	.1	.9	.1	.0	.0	.6	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.8	57.1	27.2	.9	.0	.0	100.0	1547

PERIOD: (OVLG-ALL) 1965-1970

TABLE 14

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.0	15.1	17.7	7.8	2.7	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2375
6-7	.2	1.9	8.2	8.4	3.3	1.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1170
8-9	.1	.7	2.5	3.4	2.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	491
10-11	.0	.5	1.2	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	186
12-13	.0	.0	.9	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87
13-15	.0	.0	.0	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39
TOTAL	4.9	19.9	29.4	12.7	8.8	3.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	535
PCT	9.1	36.6	32.0	22.7	10.1	3.6	1.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PPHARY) 1953-1979
(OVER-ALL) 1977-1979

OCTOBER

AREA 0010 NICAPAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN SHMP	RAIN	ORZL	FRZG PCPN	SNO	OTHER FRZG PCPN	HAIR	PCPN AT OF TIME	PCPN PAST HOUR	THDP LING	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SMOG	NO DUST SIG	SEA
N	4.8	2.7	1.2	.0	.0	.0	.0	6.7	5.2	3.3	.0	.0	.0	.0	.0	42.7
NE	2.2	1.5	.5	.0	.0	.0	.0	4.1	3.1	4.9	.0	.0	.0	.0	.0	48.3
E	3.8	1.5	.9	.0	.0	.0	.0	6.5	5.4	5.7	.0	.0	.0	.0	.0	42.3
SE	6.0	3.1	1.5	.0	.0	.0	.0	10.5	7.3	6.3	.0	.0	.0	.0	.0	75.9
S	8.7	4.7	2.5	.0	.0	.0	.0	15.4	9.1	3.8	.1	.0	.0	.0	.0	71.7
SW	8.5	4.6	3.1	.0	.0	.0	.0	16.0	7.1	2.0	.3	.0	.0	.0	.0	74.6
W	6.5	3.6	2.3	.0	.0	.0	.0	12.5	6.8	1.4	.3	.0	.0	.0	.0	77.2
NW	4.9	3.6	1.6	.0	.0	.0	.0	10.1	6.4	3.1	.0	.0	.0	.0	.0	60.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9	1.3	.5	.0	.0	.0	.0	3.7	4.7	4.5	.0	.0	.0	.0	.0	46.9
TOT PCT	6.1	3.5	2.0	.0	.0	.0	.	11.4	6.3	3.5	.2	.	.3	.1	.1	78.4
TOT OBS:	6369															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN SHMP	RAIN	ORZL	FRZG PCPN	SNO	OTHER FRZG PCPN	HAIR	PCPN AT OF TIME	PCPN PAST HOUR	THDP LING	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SMOG	NO DUST SIG	SEA
0000	4.6	3.1	2.1	.0	.0	.0	.0	9.4	5.7	2.9	.1	.0	.0	.0	.0	41.8
0600	6.3	4.4	2.2	.0	.0	.0	.0	12.9	6.4	10.1	.2	.0	.0	.0	.0	70.6
1200	8.2	3.2	2.2	.0	.0	.0	.1	13.5	7.4	2.7	.1	.0	.0	.0	.0	76.4
1800	5.1	3.1	1.6	.0	.0	.0	.0	9.7	5.6	.2	.2	.2	.3	.3	.1	53.9
TOT PCT	6.1	3.5	2.0	.0	.0	.0	.	11.4	6.3	3.4	.2	.	.3	.1	.1	78.3
TOT OBS:	6547															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.9	3.2	2.9	.	.0	.0		5.1	7.4		4.2	2.4	3.1	7.1	7.0	3.6	6.1	6.5
NE	.7	4.2	2.6	.1	.0	.0		7.6	9.3		6.4	7.7	5.3	11.2	8.5	8.7	7.4	4.0
E	.9	4.2	2.0	.1	.0	.0		7.2	8.9		6.1	4.0	6.7	2.8	8.6	2.8	8.8	3.4
SE	.9	3.6	.9	.1	.0	.0		5.5	7.5		5.9	5.8	6.6	6.7	4.4	5.1	5.4	6.9
S	.9	5.2	2.6	.1	.0	.0		8.7	9.1		11.7	8.3	9.2	9.1	6.7	4.0	4.2	9.2
SW	1.4	17.7	8.0	.4	.0	.0		22.4	10.0		24.8	23.4	23.8	27.3	19.3	24.0	21.1	26.6
W	1.9	16.3	10.3	.4	.	.0		28.9	10.0		28.2	30.8	30.1	27.4	30.0	35.4	26.4	31.0
NW	.7	5.0	2.4	.1	.	.0		8.3	8.8		6.8	7.9	6.4	9.3	11.3	6.9	8.4	7.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.2							6.2	.0		6.2	9.9	4.7	6.3	9.3	8.6	5.4	4.1
TOT OBS	1024	3632	2088	97	1	2	7032		8.8		1574	124	1768	127	1595	152	1714	174
TOT PCT	14.5	54.5	29.7	1.2	.	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	15
N	2.7	2.2	.7	.0	.0		5.1	7.4	4.1	3.6	6.7	6.1
NE	2.7	4.7	.6	.0	.0		7.6	9.3	6.5	5.7	8.5	9.3
E	2.6	3.9	.5	.	.0		7.2	8.9	6.0	6.4	8.1	8.3
SE	2.6	2.5	.2	.	.0		5.5	7.5	5.4	6.6	4.5	5.5
S	3.1	5.0	.7	.0	.0		8.4	9.1	11.5	9.2	6.5	8.3
SW	6.1	16.2	2.1	.	.0		22.4	10.0	24.7	23.5	19.7	21.4
W	8.0	18.2	2.6	.1	.0		28.9	10.0	28.4	29.9	30.4	27.2
NW	3.2	4.6	.4	.	.0		8.3	8.8	6.9	6.8	11.0	8.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.2						6.2	.0	6.4	8.3	4.6	5.4
TOT OBS	2648	3659	515	10	0	7032		8.8	1698	1695	1747	1892
TOT PCT	37.7	54.9	7.3	.1	.0	100.0			100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1977-1979AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	FAIR	1-5	6-10	11-21	22-25	26-47	48+	MEAN	PCT FREQ	TOTAL OBS
0700	6.4	6.5	53.6	30.0	1.5	.0	.0	6.8	100.0	1698
0800	8.3	7.2	54.0	27.3	1.2	.0	.0	8.4	100.0	1655
1200	4.6	6.7	55.0	30.4	1.2	.1	.0	6.0	100.0	1747
1800	5.4	6.1	57.5	20.9	1.0	.0	.0	6.9	100.0	1892
TOT	4.3	5.6	54.3	29.6	.7	.1	.0	6.8		7232
PCT	6.2	6.4	54.5	29.7	1.2	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.2	2.1	1.7	5.0	
NE	1.7	2.0	3.1	1.2	4.7	
E	1.1	1.6	2.5	1.5	5.1	
SE	.5	1.0	2.4	1.4	5.3	
S	.6	1.2	3.4	2.2	6.1	
SW	1.2	2.4	6.7	6.2	6.3	
W	1.2	4.2	13.0	9.6	6.1	
NW	.7	1.4	6.2	2.0	5.3	
VAR	.0	.0	.0	.0	.0	
CAL	1.1	1.2	7.5	1.1	5.0	
TOT OBS	522	692	2701	1527	5314	
TOT PCT	9.5	12.9	45.2	27.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/M) 3000
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

700	150	300	600	1000	2000	3500	5000	6500	8000+	ANY NH	CEILING TOTAL
149	299	599	999	1999	3999	6999	7999				
N	.0	.0	.1	.0	.5	.2	.1	.0	.0	.0	3.6
NE	.0	.1	.1	.6	.7	.2	.0	.0	.0	.0	6.1
E	.1	.0	.2	.7	1.0	.4	.2	.0	.1	.0	5.3
SE	.0	.1	.1	.6	.9	.4	.2	.0	.0	.0	2.9
S	.1	.2	.5	1.6	1.4	.5	.1	.1	.0	.0	6.2
SW	.5	.3	1.1	3.9	6.2	1.5	.5	.1	.0	.1	9.8
W	.5	.1	1.5	6.2	6.5	1.4	.7	.3	.1	.2	14.5
NW	.1	.0	.3	1.1	1.1	.6	.2	.0	.0	.0	4.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CAL	.1	.0	.2	.5	.4	.2	.1	.0	.0	.1	4.0
TOT OBS	80	34	219	732	1409	293	113	33	13	10	2930
TOT PCT	1.5	.6	4.1	13.6	16.0	5.5	2.1	.6	.2	.3	55.1

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 3000) AND VSBY (AMP)

CEILING (FT/M)	= 0A >10	= 0A >5	= 0A >2	= 0A >1	= 0A >1/2	= 0A >1/4	= 0A >500	= 0A >0
= 0A 34500	.5	.6	.6	.6	.6	.6	.6	.6
= 0A 34000	.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
= 0A 33500	2.6	3.2	3.3	3.3	3.3	3.3	3.3	3.3
= 0A 33000	6.9	9.2	9.5	9.7	9.7	9.7	9.7	9.7
= 0A 32500	19.6	23.7	24.3	24.6	24.6	24.6	24.7	24.7
= 0A 32000	26.4	36.6	37.9	38.3	38.4	38.4	38.4	38.4
= 0A 31500	31.5	40.2	41.8	42.4	42.4	42.5	42.5	42.5
= 0A 31000	31.7	40.7	42.4	43.0	43.0	43.1	43.1	43.1
= 0A 30500	32.0	41.7	43.7	44.1	44.1	44.5	44.5	44.5
TOTAL	17.3	22.6	23.8	24.1	24.1	24.3	24.5	24.6

TOTAL NUMBER OF OBS: 5444

PCT FREQ NH <5/8: 55.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OPSCD	TOTAL OBS
3.0	6.1	17.5	15.7	17.4	10.2	10.5	9.6	14.1	1.0	5745

PERIOD: 1953-1976
(OVER-ALL) 1977-1979

OCTOBER

AREA NO:10 NICARAGUA SW COAST
9.54 86.76

TABLE 5

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WSPD (MPH)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													6266
TOT PCT		5.2	7.7	7.5	5.5	6.7	22.4	28.4	6.2	0	5.6	100.0	

TABLE 6

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

WSPD (MPH)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
	22+	0	0	0	0	0	0	0	0	0	0	0	0
	TOT 1	0	0	0	0	0	0	0	0	0	0	0	0
TOT OBS													6590
TOT PCT		5.2	7.7	7.4	5.5	6.7	22.4	28.4	6.2	0	5.6	100.0	

OCTOBER

PERIOD: (PRIMARY) 1957-1974
(SECONDARY) 1977-1979AREA 0210 NICARAGUA SW COAST
9.34 86.74

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM) AND
DURATION OF NM (5/10) BY HOUR

WIND (MKT)	070	150	200	250	300	350	400	450	500	550	600	AD "	TOTAL	NM (5/10) AND 5+	TOTAL OBS
0000	1.1	.4	1.5	13.5	13.4	4.0	2.2	.5	.0	.3	39.4	.3	1452	60.4	1452
0600	2.3	.4	3.9	14.2	16.5	6.1	2.2	.4	.2	.5	47.2	.5	1285	52.4	1285
1200	1.3	.6	5.0	13.7	14.4	5.1	1.9	.5	.3	.3	43.9	.5	1467	56.5	1467
1800	1.1	.4	3.4	11.4	16.0	6.0	2.0	.5	.4	.3	42.5	.5	1456	57.5	1456
TOT	5.1	1.4	22.5	75.2	60.7	24.9	11.5	7.5	1.0	1.9	242.9	1.8	5610	222.2	5610
PCT	1.4	.5	4.0	13.3	15.4	5.3	2.2	.6	.2	.3	43.1	.3	100.0	54.4	100.0

TABLE 11

PERCENT FREQUENCY YEAR (NM) BY HOUR

WIND (MKT)	1/2	1/2-1	1-2	4-5	5-10	10+	TOTAL OBS
0000	.1	.3	.4	2.2	12.4	84.0	1446
0600	.2	.1	1.0	3.1	16.4	79.2	1674
1200	.2	.4	.5	3.1	15.9	79.9	1707
1800	.5	.2	.4	2.2	12.4	83.9	1743
TOT	1.0	1.0	1.8	11.0	67.7	553.0	6772
PCT	.1	.2	.4	2.7	14.4	81.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF (5/10) NM AND/OR
CEILING HGT (FEET, NM) (5/10) BY HOUR

WIND (MKT)	<150	150-200	200-250	250-300	300-350	350-400	400-450	450-500	500-550	550-600	600-650	650-700	700-750	750-800	800-850	850-900	900-950	950-1000	TOTAL OBS
0000	1.1	5.5	20.3	22.4	56.8	1392													1452
0600	2.4	9.4	22.4	26.4	50.4	1224													1285
1200	1.3	7.3	22.6	22.7	54.7	1417													1467
1800	1.1	5.4	18.7	25.1	50.2	1406													1456
TOT	7.9	34.0	114.6	129.0	200.8	5600													6772
PCT	1.5	6.2	21.1	21.7	55.5	100.0													100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95-100	TOTAL OBS	PCT FREQ
00/00	.0	.0	.0	.1	.2	.1	.1	.0	.0	22	.4
05/00	.0	.0	.0	.1	1.1	3.1	.9	.3	.0	309	5.5
10/00	.0	.0	.0	.0	1.1	14.4	24.9	6.3	.0	2654	51.0
15/00	.0	.0	.0	.0	.1	14.4	19.7	20.7	.0	2349	42.0
20/00	.0	.0	.0	.0	.0	.1	.1	.0	.0	58	1.0
25/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
30/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	136	2.5
35/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	1327	24.7
40/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	1540	28.2
TOT	.0	.0	.0	.1	1.4	27.1	46.1	24.2	.0	5546	100.0
PCT	.0	.0	.0	.1	2.4	27.1	46.1	24.2	.0	100.0	

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	WW	WR	CALM
00/00	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0
05/00	.2	.7	.6	.3	.4	.8	1.4	.5	.0	.0
10/00	3.2	5.4	5.2	2.8	3.6	9.3	13.3	4.5	.0	3.8
15/00	1.3	1.3	1.4	2.0	4.8	12.3	13.8	2.9	.0	1.8
20/00	.0	.0	.1	.1	.1	.1	.3	.1	.0	.0
25/00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT	4.5	7.5	7.5	5.3	9.0	22.7	26.9	8.0	.0	6.2

TABLE 15

MEAN, PERCENTS AND PERCENTILES OF TEMP (DEG F) BY HOUR

WIND (MKT)	MEAN	99%	95%	50%	5%	1%	MIN	MAX	TOTAL OBS
0000	61	64	64	67	71	74	60	87.0	1731
0600	64	66	67	71	75	76	60	79.0	1710
1200	64	66	67	71	75	76	60	74.1	1709
1800	63	66	67	71	75	76	60	71.9	1734
TOT	63	66	67	71	75	76	60	74.0	7143

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

WIND (MKT)	0-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95-100	MEAN	TOTAL OBS
0000	.0	.1	1.1	21.1	54.0	23.5	.5	.0	.0	1452	
0600	.0	.1	.4	11.1	50.9	37.4	.0	.0	.0	1285	
1200	.0	.0	.4	12.3	50.6	36.2	.0	.0	.0	1467	
1800	.0	.3	6.8	25.4	41.6	15.9	.0	.0	.0	1456	
TOT	.0	.5	14.4	114.7	200.8	162.5	.0	.0	.0	5610	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1877-1975

OCCELEP

TABLE 17

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 68	69 72	71 74	72 76	81 84	85 88	86 92	89 92	TOT	# FOR	#0 FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.1
11/13	.0	.0	.0	.0	.1	.0	.1	.0	8	.0	.1
9/12	.0	.0	.0	.0	.1	.1	.1	.0	20	.0	.3
7/8	.0	.0	.0	.1	.2	.4	.2	.0	54	.0	.9
6	.0	.0	.0	.1	.2	.4	.1	.0	39	.0	.7
5	.0	.0	.0	.1	.5	.7	.1	.0	97	.0	1.5
4	.0	.0	.0	.4	1.3	.7	.1	.0	151	.0	2.5
3	.0	.0	.0	.5	1.3	.7	.0	.0	145	.0	2.5
2	.0	.0	.1	1.2	3.2	.8	.0	.0	308	.0	5.2
1	.0	.0	.0	1.6	3.5	.8	.0	.0	364	.1	6.1
0	.0	.0	.0	5.4	6.8	.4	.0	.0	774	.1	12.9
-1	.0	.0	.4	7.8	5.9	.1	.0	.0	844	.0	14.2
-2	.0	.0	.8	9.7	5.5	.1	.0	.0	982	.0	16.1
-3	.0	.0	.5	8.0	3.0	.0	.0	.0	698	.0	11.6
-4	.0	.0	1.2	6.5	1.9	.0	.0	.0	540	.0	9.7
-5	.0	.0	1.4	4.7	.8	.0	.0	.0	410	.0	6.9
-6	.0	.0	1.7	2.6	.1	.0	.0	.0	242	.0	4.1
-7/-5	.0	.0	1.3	1.8	.3	.0	.0	.0	205	.0	3.4
-9/-10	.0	.0	.4	.3	.0	.0	.0	.0	47	.0	.8
-11/-12	.0	.1	.1	.1	.0	.0	.0	.0	13	.0	.1
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.1
TOTAL	6	10	477	1036	2071	320	39	3	5964	11	5953
PCT	.1	.2	8.0	50.9	34.7	5.4	.7	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.0	.0	.0	.0	1.2	.3	.9	.1	.0	.0	.0	1.2
1-2	.3	1.7	.2	.0	.0	.0	2.1	.2	1.8	1.1	.0	.0	.0	3.1
3-4	.0	.4	.2	.0	.0	.0	.0	.0	1.1	1.2	.0	.0	.0	2.3
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.3	.4	.0	.0	.0	.7
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	2.7	.8	.0	.0	.0	4.3	.4	4.2	3.1	.0	.0	.0	7.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.6	.0	.0	.0	.0	1.1	.5	.7	.0	.0	.0	.0	1.2
1-2	.2	1.9	.5	.0	.0	.0	2.6	.2	1.2	.4	.0	.0	.0	3.1
3-4	.0	1.3	1.0	.0	.0	.0	2.3	.0	.4	.4	.0	.0	.0	.8
5-6	.0	.0	.3	.0	.0	.0	.3	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.7	1.0	.0	.0	.0	6.4	.6	2.4	1.0	.1	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1979

OCTOBER
TABLE 16 (CONT)AREA COLD NICARAGUA SW COAST
9.5N 86.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9	.5	1.3	.0	.0	.0	.0	1.8
1-2	.4	2.6	.7	.0	.0	.0	3.7	.7	8.4	1.5	.0	.0	.0	10.5
3-4	.7	1.1	1.2	.0	.0	.0	2.4	.1	3.5	3.2	.1	.0	.0	6.8
5-6	.2	.1	.7	.0	.0	.0	.9	.0	1.5	3.4	.1	.0	.0	4.8
7	.0	.0	.4	.0	.0	.0	.4	.0	.2	.6	.2	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.5	5.1	.0	.0	.0	8.7	1.2	14.6	9.0	.4	.0	.0	25.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	1.7	.0	.0	.0	.0	2.6	.3	1.1	.1	.0	.0	.0	1.5	
1-2	.2	9.0	2.3	.0	.0	.0	11.6	.3	2.6	1.0	.0	.0	.0	4.0	
3-4	.0	4.6	4.1	.1	.0	.0	8.8	.0	1.2	1.0	.0	.0	.0	2.2	
5-6	.0	1.1	4.0	.1	.0	.0	5.2	.0	.3	.7	.0	.0	.0	1.0	
7	.0	.2	.5	.1	.0	.0	1.1	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.1	.3	.1	.0	.0	.5	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	16.7	11.7	.4	.0	.0	29.9	.6	5.5	2.9	.0	.0	.0	6.9	94.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.6	7.7	.2	.0	.0	.0	17.5	
1-2	3.2	29.1	7.5	.0	.0	.0	39.8	
3-4	.2	12.3	12.0	.2	.0	.0	25.7	
5-6	.0	3.1	9.7	.2	.0	.0	13.0	
7	.0	.3	2.1	.4	.0	.0	2.8	
8-9	.0	.2	.6	.2	.0	.0	.9	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.0	53.7	32.3	1.0	.0	.0	100.0	1702

PERIOD: (OVER-ALL) 1969-1979

TABLE 16

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.5	13.7	18.0	6.8	3.0	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2395	3
6-7	.1	2.0	8.8	2.4	4.2	1.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1314	5
8-9	.0	.7	2.7	3.5	1.6	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	505	5
10-11	.0	.5	1.0	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	167	5
12-13	.0	.0	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	5
13-14	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	5
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	477	2
TOTAL	346	887	1645	1226	515	203	52	26	12	3	2	1	0	0	0	0	0	0	0	4958	4
PCT	7.6	17.9	33.2	24.7	10.4	4.1	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1969-1979

NOVEMBER

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDP LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG WEA
N	1.0	1.2	.6	.0	.0	.0	.3	3.1	1.9	2.1	.3	.0	.2	.0	92.6
NE	.7	.9	.7	.0	.0	.0	.0	2.4	1.8	1.2	.0	.0	.2	.0	94.7
E	2.2	1.6	.9	.0	.0	.0	.1	4.8	2.8	.9	.0	.0	.4	.0	91.3
SE	4.0	3.8	5.7	.0	.0	.0	.0	12.6	5.6	2.9	.0	.0	.0	.0	81.0
S	7.5	2.8	2.4	.0	.0	.0	.0	12.7	7.2	1.2	.2	.0	.5	.0	78.4
SW	4.9	3.1	2.5	.0	.0	.0	.0	10.4	5.4	1.2	.2	.0	.0	.0	82.6
W	4.3	2.2	1.4	.0	.0	.0	.0	7.8	6.0	1.7	.5	.0	.2	.0	83.9
NW	1.3	1.6	.8	.0	.0	.0	.1	3.9	3.9	3.4	.0	.0	.2	.0	88.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.6	.0	.0	.0	.0	.0	1.0	2.7	2.7	.4	.0	1.0	.0	92.2
TOT PCT	2.7	1.8	1.3	.0	.0	.0	.1	5.9	5.8	1.7	.2	.0	.3	.0	88.2
TOT OBS:	6113														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG DUST BLNG SNOW	NO SIG WEA
0000	2.5	1.6	1.4	.0	.0	.0	.0	5.4	2.9	1.7	.2	.0	.2	.0	89.6
0600	2.6	1.7	1.6	.0	.0	.0	.1	5.9	3.2	4.3	.0	.0	.3	.0	86.3
1200	3.5	2.2	1.3	.0	.0	.0	.1	7.0	5.3	.9	.4	.0	.2	.0	86.3
1800	2.4	1.8	.9	.0	.0	.0	.1	5.2	3.8	.1	.2	.0	.4	.0	90.5
TOT PCT TOT OBS	2.8 6276	1.9	1.3	.0	.0	.0	.1	5.9	5.8	1.7	.2	.0	.3	.0	88.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.3	6.2	3.3	.2	.0	.0		11.1	9.4	9.5	10.6	7.2	14.7	13.0	19.9	12.5	15.7
NE	1.3	9.2	8.5	1.0	.0	.0		20.0	11.3	18.0	20.1	13.7	21.0	20.2	23.3	26.7	21.7
E	1.2	6.2	3.7	.3	.0	.0		11.4	9.7	11.6	7.5	10.9	9.2	10.9	8.4	12.9	11.3
SE	.7	2.8	.7	.0	.0	.0		4.1	7.1	3.6	6.1	5.7	3.5	3.4	5.2	3.6	2.9
S	1.0	4.2	.9	.1	.0	.0		6.2	7.5	7.9	9.9	6.3	8.8	4.9	4.4	5.4	7.4
SW	1.3	8.4	3.4	.1	.0	.0		13.2	8.7	16.1	10.8	14.0	4.6	12.2	13.1	11.6	10.3
W	1.8	11.5	4.7	.1	.0	.0		18.2	8.8	19.1	15.6	21.8	13.1	19.8	10.4	14.7	11.8
NW	.9	5.3	1.3	.0	.0	.0		7.6	8.0	5.4	6.9	8.1	4.6	9.1	10.3	6.6	9.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.3							8.3	.0	8.4	12.5	12.1	17.5	6.4	5.1	6.0	9.7
TOT OBS	1226	3689	1817	139	3	0	5865		8.5	1414	144	1564	136	1541	178	1716	172
TOT PCT	17.9	53.7	26.5	1.9	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
		7-16	17-27	28-40	00 03					06 09	12 15	18 21			
N	3.8	6.1	1.2	.0	.0	11.1	9.4	9.5	7.8	13.8	12.8				
NE	4.7	11.8	3.4	.1	.0	20.0	11.3	18.2	14.3	20.5	24.2				
E	4.0	6.1	1.2	.1	.0	11.4	9.7	11.6	7.5	10.6	10.6				
SE	2.3	1.7	.1	.0	.0	4.1	7.1	3.6	5.5	3.6	3.6				
S	3.2	2.7	.3	.0	.0	6.2	7.5	7.9	6.5	4.9	5.6				
SW	4.9	7.7	.5	.1	.0	13.2	8.7	15.6	13.6	12.3	11.5				
W	6.5	10.7	1.0	.0	.0	18.2	8.8	19.1	21.1	18.8	14.4				
NW	3.1	4.3	.2	.0	.0	7.6	8.0	6.0	8.1	9.3	6.8				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM						8.3	.0	8.4	12.2	6.2	6.3				
TOT OBS	2802	3496	545	24	.0	6465		6.5	1558	1700	1719	1888			
TOT PCT	40.6	50.9	7.9	.3	.0	100.0			100.0	100.0	100.0	100.0			

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1969-1979

NOVEMBER

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (CHT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000Z	8.4	10.3	57.4	22.3	1.0	.1	.0	7.8	150.0
0600Z	12.2	9.7	56.2	21.2	1.7	.0	.0	7.8	100.0
1200Z	6.2	9.9	53.0	29.1	2.2	.0	.0	8.9	100.0
1800Z	6.3	9.7	49.2	32.2	2.6	.1	.0	9.3	100.0
TOT	56.9	65.7	368.9	181.7	15.0	3	0	8.5	660.5
PCT	6.3	9.6	52.7	26.5	1.9	0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6 OBSCH	TOTAL OBS	MEAN CLOUD COVER
N	3.6	2.4	2.9	1.3		3.9
NE	7.8	4.5	5.3	7.1		3.6
E	4.1	2.6	3.4	1.9		4.1
SE	.7	.8	1.6	.4		5.0
S	.7	1.2	2.2	1.9		5.6
SW	1.3	2.5	5.5	4.1		5.8
W	3.1	4.0	7.5	4.4		5.2
NW	2.1	1.8	2.7	1.1		4.4
VAR	.0	.0	.0	.0		.0
CALM	4.0	2.0	2.2	.4		3.7
TOT OBS	134.5	110.7	169.4	43.4	508.0	4.5
TOT PCT	26.5	21.8	33.2	12.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/8)
AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1499	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.+1	.+1	.+1	.+6	.+8	.+2	.+1	.	.+0	.	.	.+8.0	
.+0	.+0	.+1	.+8	1.3	.+5	.+3	.+1	.+1	.	.	.+16.4	
.+1	.+0	.+1	.+8	.+8	.+6	.+3	.+1	.	.	.	.+9.2	
.+1	.+0	.+1	.+5	.+6	.+1	.+1	.	.	.	.+0	.+2.5	
.+1	.+0	.+1	1.1	1.0	.+2	.+1	.	.	.	.	.+3.3	
.+3	.+1	.+6	2.0	2.3	.+7	.+2	.	.	.+1	.	.+0 7.2	
.+1	.+1	.+5	2.5	3.0	1.2	.+3	.+1	.	.	.	.+11.1	
.	.	.	.+6	.+8	.+3	.+2	.	.	.+0	.	.+1 5.6	
.+2	.	.+0	.+6	.+0	.+0	.+0	.	.	.+0	.	.+0 .0	
.	.	.	.+1	.+7	.+7	.+3	.+1	.	.	.	.+0 6.4	
36	16	97	491	576	206	81	20	13	13	3531	5080	
.+7	.+3	1.9	9.7	11.3	4.1	1.6	.+4	.+2	.+3	69.5	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.5	.5	.6	.6	.6	.6	.6	.6
≥ OR >5000	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0
≥ OR >3500	2.1	2.4	2.5	2.6	2.6	2.6	2.6	2.6
≥ OR >2000	5.4	6.2	6.5	6.6	6.6	6.6	6.6	6.6
≥ OR >1000	14.6	17.2	17.6	17.9	17.9	17.9	17.9	17.9
≥ OR >600	21.6	26.3	27.1	27.4	27.4	27.5	27.5	27.5
≥ OR >300	22.6	28.0	29.0	29.2	29.3	29.3	29.3	29.3
≥ OR >150	22.9	28.4	29.3	29.6	29.6	29.7	29.7	29.7
≥ OR >0	23.2	28.8	29.9	30.2	30.2	30.3	30.4	30.4
TOTAL	1236	1449	1552	1570	1572	1577	1579	1579

TOTAL NUMBER OF OBS: 5198

PCT FREQ MH <5/8: 69.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	A OBSCH	TOTAL OBS
11.9	16.1	16.5	13.9	10.9	6.7	7.3	6.7	9.7	.5	5497

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1969-1979

NOVEMBER

APEA 0010 NICARAGUA SW COAST
9.5% 86.7%

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (INH)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.3	
2<5	PCP	.0	.1	.1	.0	.1	.1	.2	.0	.0	.0	.7	
	NO PCP	.0	.1	.1	.0	.1	.1	.2	.0	.0	.0	.6	
	TOT %	.1	.1	.1	.0	.2	.2	.4	.1	.0	.0	1.3	
5<10	PCP	.2	.2	.2	.2	.3	.7	.6	.1	.0	.0	2.5	
	NO PCP	.5	.9	.5	.2	.6	1.5	1.9	.5	.0	.4	7.0	
	TOT %	.7	1.3	.8	.4	1.0	2.1	2.4	.7	.0	.4	9.5	
10+	PCP	.1	.2	.3	.3	.3	.5	.5	.1	.0	.0	2.4	
	NO PCP	9.9	14.4	10.5	3.3	4.7	10.3	15.2	6.6	.0	7.5	86.4	
	TOT %	10.0	16.7	10.8	3.5	5.0	10.8	15.7	6.7	.0	7.5	88.7	
TOT OBS													
TOT PCT													
6091													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (INH)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	
	4-10	.1	.0	.1	.0	.1	.2	.2	.0	.0	.0	.8	
	11-21	.0	.1	.1	.0	.0	.1	.2	.1	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.1	.2	.0	.2	.3	.5	.1	.0	.1	1.7	
5<10	0-3	.0	.0	.0	.0	.1	.2	.2	.0	.0	.4	1.0	
	4-10	.5	.6	.4	.3	.6	1.0	1.3	.4	.0	.0	5.0	
	11-21	.2	.3	.3	.1	.2	.9	.9	.2	.0	.0	3.1	
	22+	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.7	1.0	.8	.4	.9	2.1	2.3	.7	.0	.4	9.4	
10+	0-3	1.2	1.2	1.1	.6	.8	1.0	1.5	.8	.0	7.6	15.8	
	4-10	5.6	8.4	5.8	2.4	3.4	7.3	10.1	4.9	.0	.0	47.9	
	11-21	1.0	8.1	3.5	.5	.7	2.4	3.7	1.1	.0	.0	23.0	
	22+	.2	.9	.3	.0	.0	.0	.1	.0	.0	.0	1.6	
	TOT %	10.0	18.7	10.6	3.6	4.9	10.7	15.4	6.8	.0	7.6	88.3	
TOT OBS													
TOT PCT													
6394													

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1864-1979

NOVEMBER

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.5	.5	1.5	8.7	12.0	4.0	2.0	.4	.2	.2	30.4	69.1	1293				
0600Z	1.1	.2	1.2	9.7	11.7	3.3	1.3	.7	.2	.5	30.0	70.0	1277				
1201Z	.4	.3	2.8	11.3	9.8	4.1	1.6	.1	.2	.3	30.8	69.2	1415				
1802Z	.2	.2	1.7	7.5	10.5	3.4	1.4	.4	.3	.1	26.2	73.8	1402				
TOT	37	17	98	571	589	209	84	21	13	16	1545	3802	5387				
PCT	.7	.3	1.8	9.3	10.9	3.9	1.6	.4	.2	.3	24.4	70.6	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.1	.1	.5	1.9	9.0	88.4	1508
0600Z	.1	.0	.3	1.7	10.3	87.6	1639
1201Z	.1	.1	.4	1.9	10.4	87.1	1679
1802Z	.5	.1	.4	1.0	7.7	90.3	1733
TOT	11	4	27	107	613	5797	6559
PCT	.2	.1	.4	1.6	9.3	88.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.5	2.7	17.0	19.3	67.7	1249
0600Z	1.1	2.7	13.5	14.1	68.4	1222
1201Z	.4	3.6	16.1	15.8	68.1	1375
1802Z	.8	3.0	11.5	15.9	72.6	1352
TOT	37	157	703	894	3601	5174
PCT	.7	3.0	13.5	17.2	69.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/99	.0	.0	.7	.0	.0	.0	.0	.0	2	.0
60/54	.0	.0	.0	.1	.3	.0	.0	.0	22	.4
65/89	.0	.0	.0	.2	1.1	2.4	.5	.2	241	4.5
70/84	.0	.0	.0	.2	3.0	14.2	26.4	5.5	2857	53.4
75/79	.0	.0	.0	.1	.3	3.7	18.5	16.0	2140	40.6
80/74	.0	.0	.0	.0	.0	.0	.2	.6	55	1.0
TOTAL	0	0	0	30	254	1308	2446	1326	5367	100.0
PCT	.0	.0	.0	.6	4.7	24.4	45.6	24.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/54	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
65/89	.6	1.2	.8	.1	.2	.2	.6	.5	.0	.3
70/84	4.1	12.6	.3	2.1	2.9	5.8	8.2	3.5	.0	4.7
75/79	3.1	5.6	3.5	1.7	2.9	7.3	9.9	3.1	.0	2.9
80/74	.0	.2	.1	.1	.2	.2	.2	.1	.0	.0
TOTAL	10.4	19.6	11.7	4.2	6.2	13.3	18.9	7.5	.0	8.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	93	86	84	80	77	74	71	87.1	1596
0600Z	86	84	82	79	76	74	70	76.2	1746
1201Z	89	84	82	79	76	74	68	79.1	1749
1802Z	95	90	87	82	77	75	70	81.9	1906
TOT	45	84	85	80	74	72	68	80.1	4999

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-55	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	.5	2.5	26.3	50.3	20.5	83	1315
0600Z	.0	.0	1.4	17.8	48.3	32.4	86	1380
1201Z	.0	.2	2.7	15.8	47.5	33.8	86	1433
1802Z	.0	1.4	11.7	37.8	37.3	11.6	79	1368
TOT	0	31	255	1342	2526	1362	84	5516

NOVEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1969-1979AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	71 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
18/16	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.0	10	.0	.2
9/10	.0	.0	.0	.1	.1	.2	.0	32	.0	.6
7/8	.0	.0	.0	.2	.5	.4	.2	73	.0	1.3
6	.0	.0	.0	.1	.5	.3	.1	53	.0	.9
5	.0	.0	.1	.2	.9	.8	.0	112	.0	2.0
4	.0	.0	.1	.7	1.7	.9	.0	189	.0	3.3
3	.0	.0	.1	.6	2.0	.6	.0	187	.0	3.3
2	.0	.0	.1	2.1	4.2	.6	.0	399	.1	6.9
1	.0	.0	.2	3.9	6.6	.3	.0	513	.0	9.0
0	.0	.0	.3	8.6	7.0	.1	.0	910	.0	15.9
-1	.0	.0	.6	8.8	5.2	.2	.0	843	.0	14.8
-2	.0	.0	.7	10.7	4.3	.0	.0	899	.0	15.7
-3	.0	.0	.6	6.7	1.6	.0	.0	511	.0	9.0
-4	.0	.0	1.2	5.6	1.2	.0	.0	457	.0	8.0
-5	.0	.0	.9	3.3	.0	.0	.0	287	.0	5.7
-6	.0	.0	.7	1.3	.1	.0	.0	121	.0	2.1
-7/-8	.0	.0	.6	.8	.1	.0	.0	86	.0	1.5
-9/-10	.0	.0	.3	.2	.0	.0	.0	26	.0	.5
-11/-13	.0	.0	.1	.1	.0	.0	.0	9	.0	.2
TOTAL	1	7	363	1977	254	31	4	5704	.1	5696
PCT	.0	.1	6.4	53.8	34.7	4.5	.5	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	NE								SE							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.9	.1	.0	.0	.0	1.4		.2	1.5	.2	.0	.0	.0	1.9	
1-2	.1	4.0	.9	.0	.0	.0	5.0		.3	4.7	1.7	.0	.0	.0	6.8	
3-4	.2	1.4	1.1	.0	.0	.0	2.7		.1	2.4	2.9	.1	.0	.0	5.6	
5-6	.0	.2	.9	.0	.1	.0	1.1		.0	.6	2.1	.3	.0	.0	3.0	
7	.0	.1	.2	.1	.0	.0	.4		.0	.1	.7	.4	.0	.0	1.2	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.1	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	6.7	3.2	.1	.1	.0	10.4		.6	9.4	7.9	1.1	.1	.0	19.1	

HGT	E								SE							
	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.9	.0	.0	.0	.0	.4		.4	.4	.0	.0	.0	.0	.8	
1-2	.2	3.1	1.1	.0	.0	.0	4.4		.0	1.8	.1	.0	.0	.0	1.9	
3-4	.1	1.6	1.1	.1	.0	.0	3.0		.1	.4	.4	.0	.0	.0	.6	
5-6	.0	.5	.6	.0	.0	.0	1.2		.0	.2	.1	.0	.0	.0	.3	
7	.0	.2	.4	.1	.0	.0	.7		.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	6.2	3.4	.4	.0	.0	10.5		.5	2.8	.7	.0	.0	.0	3.9	

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 18 (CCVT)

PCI FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCI	1-3	4-10	11-21	22-33	34-47	48+	PCI	TOTAL PCT
<1	.3	1.0	.1	.0	.0	.0	1.4	.2	2.3	.1	.0	.0	.0	2.5	
1-2	.3	2.3	.2	.0	.0	.0	2.5	.5	3.9	.4	.0	.0	.0	5.2	
3-4	.0	1.2	.5	.0	.0	.0	1.7	.1	2.9	1.8	.0	.0	.0	4.8	
5-6	.0	.1	.4	.0	.0	.0	.5	.0	.3	.4	.1	.0	.0	1.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.5	
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	4.7	1.1	.1	.0	.0	6.4	.8	9.6	4.1	.1	.0	.0	14.6	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCI	1-3	4-10	11-21	22-33	34-47	48+	PCI	TOTAL PCT
<1	.6	2.3	.2	.0	.0	.0	3.4	.4	1.1	.1	.0	.0	.0	1.6	
1-2	.5	7.1	1.1	.0	.0	.0	8.8	.2	3.0	.2	.0	.0	.0	3.4	
3-4	.1	3.2	2.2	.0	.0	.0	5.5	.1	1.1	.7	.0	.0	.0	1.9	
5-6	.1	.5	1.4	.1	.0	.0	2.2	.0	.6	.1	.0	.0	.0	.7	
7	.0	.3	.3	.1	.0	.0	.6	.0	.3	.1	.0	.0	.0	.1	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	13.4	5.2	.2	.0	.0	20.6	.7	5.8	1.2	.0	.0	.0	7.7	93.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCI	TOT OBS
<1	10.4	9.8	.7	.0	.0	.0	20.9	
1-2	3.1	29.9	6.0	.0	.0	.0	39.0	
3-4	.7	13.9	10.4	.2	.0	.0	25.2	
5-6	.1	3.0	6.1	.5	.1	.0	10.0	
7	.0	.7	2.1	.7	.0	.0	3.6	
8-9	.0	.0	.5	.2	.1	.0	.7	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.4	57.5	26.1	1.9	.2	.0	100.0	1457

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.8	16.4	19.1	8.6	2.7	.9	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2517	3
6-7	.4	2.6	8.1	7.2	3.1	.7	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1094	4
8-9	.0	.7	2.4	2.7	1.8	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	409	5
10-11	.0	.4	1.1	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	132	5
12-13	.0	.0	.9	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	4
13	.0	.0	.0	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	7
INDFT	5.4	1.4	2.2	1.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	537	2
TOTAL	46.2	10.3	16.26	10.39	4.31	1.29	.44	.12	.22	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	4814	4
PCT	9.6	21.7	33.8	21.6	9.0	2.7	.9	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1873-1979

AREA 0010 NICARAGUA SW COAST
9.5N 86.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZN PCPN	MAIL	PCPN AT OR TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PAST HR	SMOKE MAZE	SPRAY BLUG DUST RLVG SNOV	NO SIG WEA
N	.2	.1	.0	.0	.0	.0	.0	.3	.6	.1	.6	.0	.2	.0	97.9
NE	.3	.2	.2	.0	.0	.0	.0	.7	.5	.5	.4	.0	.7	.0	97.2
E	.4	.4	.3	.0	.0	.0	.0	1.0	.5	.8	.3	.0	.8	.1	96.5
SE	.6	1.4	1.5	.0	.0	.0	.0	3.5	1.5	.2	2.2	.0	.0	.0	92.6
S	1.7	1.7	.8	.0	.0	.0	.0	4.3	2.5	1.1	.5	.0	.0	.0	91.6
SW	2.4	2.0	.5	.0	.0	.0	.0	4.6	2.6	.8	.0	.0	.5	.5	91.3
W	.4	1.1	.2	.0	.0	.0	.0	1.7	2.6	1.3	.6	.0	.0	.1	93.7
NW	.3	.7	.4	.0	.0	.0	.0	1.2	.8	.4	.3	.0	.2	.1	97.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.1	.2	.0	.0	.0	.0	.8	1.8	.6	.2	.0	.8	.0	95.8
TOT PCT	.5	.6	.3	.0	.0	.0	.0	1.3	1.2	.6	.5	.0	.5	.1	95.8
TOT OBS:	5976														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE MAZE	SPRAY BLUG DUST SNOV	NO SIG WEA
00003	.2	.5	.3	.0	.0	.0	.0	1.0	.6	.5	.3	.0	.4	.0	97.3
06009	.4	.3	.4	.0	.0	.0	.0	1.1	1.4	1.6	.7	.0	.6	.2	96.5
12015	1.0	1.2	.3	.0	.0	.0	.0	2.4	2.0	.6	.6	.0	.4	.1	94.0
18021	.4	.4	.2	.0	.0	.0	.0	1.1	.7	.0	.8	.1	.5	.0	96.8
TOT PCT	.5	.6	.3	.0	.0	.0	.0	1.4	1.2	.7	.6	.0	.5	.1	95.3
TOT OBS:	6076														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-7	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		8-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	2.0	7.6	4.2	.5	.0	.0	14.2	9.6	12.3	11.7	10.2	19.7	17.4	15.8	15.5	21.7	
NE	1.6	11.9	14.3	2.6	.0	.0	30.2	12.7	26.5	26.3	24.0	24.6	32.3	33.2	37.4	25.5	
E	1.4	5.2	5.3	.9	.1	.0	12.8	11.6	13.1	16.9	13.7	11.1	12.8	10.8	12.4	7.2	
SE	.6	1.7	.3	.1	.0	.0	2.8	6.6	3.5	5.0	3.2	6.0	1.5	1.4	2.6	3.1	
S	.9	1.4	.4	.0	.0	.0	3.2	6.2	5.2	5.8	3.3	7.7	2.0	3.8	2.4	2.4	
SW	1.1	5.1	.9	.0	.0	.0	7.2	6.9	9.2	7.5	8.3	.8	7.1	3.1	5.2	7.9	
W	2.1	9.4	1.7	.0	.0	.0	13.4	7.1	14.5	12.1	15.7	11.6	13.0	15.4	11.4	12.1	
NW	1.1	5.2	1.2	.0	.0	.0	7.5	7.4	6.4	3.1	8.0	6.2	7.9	8.2	7.6	10.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.7						8.7	.0	9.7	11.7	14.2	4.2	6.1	8.2	5.5	9.7	
TOT OBS	1312	3221	1886	280	7	0	4706	9.1	1415	120	1507	146	1484	183	1706	145	
TOT PCT	19.6	49.0	28.1	4.2	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUP (GMT)			
	0-6	7-16	17-27	28-40	41+					00	03	09	18
N	5.2	7.1	1.7	.1	.0		14.2	9.6	12.3	11.0	17.2	16.0	
NE	5.9	16.2	7.4	.7	.0		30.2	12.7	26.5	24.5	32.4	36.5	
E	3.7	6.3	2.6	.2	.0		12.8	11.6	13.4	11.4	12.6	12.0	
SE	1.9	.8	.1	.0	.0		2.8	6.6	3.6	3.4	1.5	2.7	
S	2.1	.0	.0	.0	.0		3.2	6.2	5.2	5.2	2.2	2.4	
SW	4.1	3.0	.1	.0	.0		7.2	6.9	9.1	8.0	6.7	5.4	
W	6.9	6.2	.3	.0	.0		13.4	7.1	14.3	14.9	13.3	11.5	
NW	3.7	3.6	.2	.0	.0		7.5	7.4	6.2	7.8	7.9	7.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	8.7						8.7	.0	9.4	13.7	6.3	5.8	
TOT OBS	2833	2985	840	67	1	6706			1535	1453	1687	1451	
TOT PCT	42.2	44.2	12.5	1.0	.0	100.0			100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1873-1979

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	9.4	13.0	52.8	22.7	2.0	.1	.0	7.9	100.0	1535
0600	13.7	9.7	49.8	24.3	3.4	.0	.0	8.2	100.0	1453
1200	6.3	6.1	48.3	31.4	4.9	.1	.0	9.8	100.0	1467
1800	5.4	11.7	43.2	33.1	6.0	.2	.0	10.1	100.0	1451
SCT	593	129	3221	1886	280	7	0	9.1		6706
PCT	6.7	10.9	49.0	28.1	4.2	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84	85-91	92-98	99-100	TOTAL OBS
N	7.3	2.9	2.5	.5		2.6										
NE	19.1	5.5	4.5	.8		2.2										
E	7.9	2.9	2.2	.3		2.3										
SE	1.1	.4	.9	.4		1.5										
S	1.0	.7	.9	.4		4.3										
SW	2.1	1.9	2.6	1.0		4.3										
W	4.4	3.7	4.5	1.2		3.9										
NW	3.4	1.7	1.8	.6		3.2										
VAR	.0	.0	.0	.0		.0										
CALM	4.4	1.7	1.9	.6		2.9										
TOT OBS	2530	1067	1020	269		4991										
TOT PCT	50.6	21.7	21.7	5.4		100.0										

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/4)
AND OCCURRENCE OF NM 5/8 BY WIND DIRECTION

WIND DIR	0-7	8-14	15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84	85-91	92-98	99-100	TOTAL OBS
N	7.3	2.9	2.5	.5		2.6										
NE	19.1	5.5	4.5	.8		2.2										
E	7.9	2.9	2.2	.3		2.3										
SE	1.1	.4	.9	.4		1.5										
S	1.0	.7	.9	.4		4.3										
SW	2.1	1.9	2.6	1.0		4.3										
W	4.4	3.7	4.5	1.2		3.9										
NW	3.4	1.7	1.8	.6		3.2										
VAR	.0	.0	.0	.0		.0										
CALM	4.4	1.7	1.9	.6		2.9										
TOT OBS	2530	1067	1020	269		4991										
TOT PCT	50.6	21.7	21.7	5.4		100.0										

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND VISBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >5000	= OR >0
= OR >6500	.5	.5	.5	.5	.5	.5	.5	.5	.5
= OR >5000	.8	.9	.9	.9	.9	.9	.9	.9	.9
= OR >3500	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >2000	4.1	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
= OR >1000	8.9	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8
= OR >600	11.7	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2
= OR >300	12.3	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0
= OR >150	12.5	14.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2
= OR >0	12.7	14.2	14.4	14.4	14.5	14.5	14.5	14.5	14.5
TOTAL	647	725	734	735	737	738	738	738	738

TOTAL NUMBER OF OBS: 5040 PCT FREQ NM 5/8: 85.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C	1	2	3	4	5	6	7	8	9	10	TOTAL OBS
26.3	27.3	16.3	11.8	7.6	4.1	4.1	3.6	2.7	.2		5336

PERIOD: (PRIMARY) 1952-1975
(OVER-ALL) 1973-1979

DECEMBER

AREA CODE: NICA246UA SW COAST
9.54 16.7M

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	
	NO PCP	.5	1.1	.7	.1	.2	.4	.7	.5	.0	.0	.0	
	TOT %	.5	1.2	.7	.2	.3	.5	.8	.5	.0	.0	.0	
10+	PCP	.0	.1	.1	.0	.1	.2	.2	.1	.0	.0	.0	
	NO PCP	13.1	24.3	12.1	2.5	2.7	6.7	12.6	6.9	.0	7.9	93.0	
	TOT %	13.2	24.4	12.2	2.5	2.8	6.9	12.7	7.0	.0	8.0	93.0	
TOT OBS													5910
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.1	.1	.2	.1	.1	.1	.1	.1	.0	.0	.0	
	4-10	.2	.5	.3	.1	.1	.3	.4	.3	.0	.0	.0	
	11-21	.1	.5	.2	.1	.0	.1	.2	.1	.0	.0	.0	
10+	0-3	1.7	1.3	1.1	.5	.8	1.1	2.0	1.0	.0	8.1	17.6	
	4-10	7.2	11.3	6.9	1.7	1.7	4.7	9.0	4.8	.0	45.2	85.2	
	11-21	3.9	14.1	5.2	.3	.3	.8	1.5	1.1	.0	27.3	27.3	
TOT OBS													6178
TOT PCT													100.0

DESCRIPTION

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1973-1979

AREA CODE NICARAGUA SW COAST
9.5N 86.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET-NM 24/8) AND OCCURRENCE OF NM 45/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	TOTAL	NM 45/8 ANY MGT	TOTAL OBS
00003	.2	.2	.5	2.8	4.5	2.3	1.1	.5	.2	.3	12.6	87.4	1309					
06009	.5	.2	.8	3.3	5.0	2.5	.6	.4	.2	.2	13.7	86.3	1256					
12015	.2	.1	1.4	4.4	6.4	3.1	1.6	.1	.0	.7	18.2	81.8	1350					
18021	.3	.1	.4	2.7	4.5	1.6	1.2	.4	.1	.1	11.5	88.5	1378					
TOT	16	8	62	175	271	125	60	10	7	18	761	4552	5293					
PCT	.5	.2	.8	3.3	5.1	2.4	1.1	.4	.1	.3	14.0	86.0	100.0					

TABLE 11

PERCENT FREQUENCY WSEY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.1	.1	.5	4.2	95.1	1475
06009	.1	.0	.1	.6	5.4	93.4	1562
12015	.2	.1	.1	.5	5.7	93.3	1605
18021	.2	.0	.0	.3	4.6	95.1	1669
TOT	4	3	5	29	324	5946	6331
PCT	.1	.0	.1	.5	5.1	94.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF WSEY (NM) AND/OR CEILING MGT (FEET-NM 24/8) BY HOUR

HOUR (GMT)	<150	<500	<1000	<1000+ AND 5+	NM 45/8	TOTAL OBS
00003	.2	1.0	4.1	9.2	86.7	1256
06009	.5	1.6	5.5	9.1	85.4	1212
12015	.2	2.0	6.7	12.3	81.0	1299
18021	.3	.8	3.7	9.2	88.1	1323
TOT	16	67	254	444	4342	5090
PCT	.3	1.3	5.0	9.7	85.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	.2	.0	.1	.0	27	.5
85/89	.0	.0	.0	.3	1.4	1.8	.6	.1	217	4.2
80/84	.0	.0	.7	.2	5.5	24.1	21.1	.0	2860	54.9
75/79	.0	.0	.0	.0	.7	9.6	18.3	10.2	2009	38.5
70/74	.0	.0	.0	.0	.0	.1	.6	1.3	101	1.9
TOTAL	0	0	1	36	400	1844	2114	815	5214	100.0
PCT	.0	.0	.0	.7	7.7	35.4	40.6	15.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	.2	.1	.0	.0	.0	.0	.0	.0	.1
85/89	.5	1.3	.6	.2	.2	.2	.6	.4	.0	.3
80/84	7.4	16.0	7.3	1.7	1.6	4.4	7.7	4.2	.0	4.6
75/79	5.3	17.5	5.1	.8	1.2	2.9	4.9	2.6	.0	3.3
70/74	.3	.6	.2	.0	.0	.0	.2	.1	.0	.4
TOTAL	13.6	30.6	13.3	2.6	3.0	7.6	13.4	7.3	.0	8.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (CEC F) BY HOUR

HOUR	MAX	95%	50%	5%	MIN	MEAN	TOTAL
00003	92	86	84	80	74	74	67 80.2 1556
06009	87	83	82	80	75	73	70 79.2 1701
12015	88	87	82	74	75	73	70 79.6 1667
18021	94	90	87	82	77	75	68 81.7 1874
TOT	94	88	84	80	76	73	67 80.0 6810

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	% N	TOTAL
00003	.0	.6	6.9	36.4	42.4	13.7	81	1296		
06009	.0	.2	2.2	27.9	48.3	21.4	84	1324		
12015	.0	.1	4.0	29.7	44.6	21.2	83	1348		
18021	.0	1.9	16.9	46.2	27.9	7.1	77	1367		
TOT	0	36	404	1874	2176	843	81	5335		

DECEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1873-1979

AREA 0010 NICARAGUA SW COAST
9.5N 86.7E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 61	69 72	73 76	77 80	81 84	85 87	89 92	>92	TOT	N FOG	W FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	.0	20	.0	.4
9/10	.0	.0	.0	.2	.2	.2	.1	.0	43	.0	.8
7/8	.7	.0	.0	.2	.7	.3	.2	.0	80	.0	1.4
6	.0	.0	.1	.4	.4	.3	.1	.0	72	.0	1.3
5	.0	.0	.1	.6	1.2	.5	.1	.0	141	.0	2.5
4	.0	.0	.2	1.2	1.7	.6	.0	.0	205	.0	3.7
3	.0	.0	.3	1.6	1.7	.5	.0	.0	224	.0	4.0
2	.0	.0	.4	2.6	4.4	.6	.0	.0	451	.0	8.1
1	.0	.0	.4	4.1	4.4	.3	.0	.0	533	.1	9.5
0	.0	.0	1.0	7.5	6.8	.2	.0	.0	868	.1	15.5
-1	.0	.1	.7	7.3	5.7	.2	.0	.0	775	.0	13.9
-2	.0	.1	.9	8.3	4.6	.0	.0	.0	769	.0	13.8
-3	.0	.0	.7	6.0	2.5	.0	.0	.0	511	.0	9.2
-4	.0	.1	.9	5.6	1.1	.0	.0	.0	430	.0	7.7
-5	.0	.0	.7	2.7	.4	.0	.0	.0	215	.0	3.9
-6	.0	.0	.5	1.2	.2	.0	.0	.0	108	.0	1.9
-7/-8	.0	.0	.4	.8	.1	.0	.0	.0	73	.0	1.3
-9/-10	.0	.0	.3	.2	.0	.0	.0	.0	27	.0	.5
-11/-13	.0	.1	.0	.0	.0	.0	.0	.0	7	.0	.1
TOTAL	2	24	441	2114	2019	43	2	5562	16	5546	
PCT	.0	.4	7.9	50.6	36.3	3.9	.4	100.0	.3	99.7	

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VLRSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.8	1.3	.0	.0	.0	.0	2.2	.2	1.4	.1	.0	.0	.0	1.8
1-2	.9	4.1	.5	.0	.0	.0	5.5	.4	6.0	1.8	.0	.0	.0	8.1
3-4	.0	1.8	1.7	.1	.0	.0	3.6	.2	3.1	4.7	.5	.0	.0	8.5
5-6	.1	.5	.8	.0	.0	.0	1.3	.0	.8	4.2	.5	.0	.0	5.6
7	.0	.0	.5	.2	.0	.0	.8	.0	.1	1.6	.8	.0	.0	2.4
8-9	.0	.0	.3	.0	.0	.0	.3	.0	.0	.5	.3	.0	.0	.8
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.2	.2	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	7.7	3.9	.4	.0	.0	13.9	.8	11.4	13.2	2.6	.0	.0	27.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
01	.8	1.0	.0	.0	.0	.0	1.8	.4	.2	.0	.0	.0	.0	.6
1-2	.3	2.3	.7	.0	.0	.0	3.3	.1	.9	.2	.0	.0	.0	1.2
3-4	.0	1.3	1.3	.1	.0	.0	2.7	.0	.3	.1	.1	.0	.0	.5
5-6	.0	.4	1.4	.2	.0	.0	1.9	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.8	.2	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.3	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	9.9	4.6	.6	.0	.0	11.3	.5	1.5	.3	.1	.0	.0	2.4

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA 0010 NICARAGUA SW COAST
9.54 86.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S								SW							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.4	.0	.0	.0	.0	.6	.6	1.6	.1	.0	.0	.0	2.3	
1-2	.2	.5	.2	.0	.0	.0	1.3	.3	3.8	.7	.0	.0	.0	4.3	
3-4	.1	.4	.3	.0	.0	.0	.4	.1	1.4	.6	.0	.0	.0	2.0	
5-6	.0	.0	.0	.1	.0	.0	.2	.0	.1	.1	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	1.7	.5	.1	.0	.0	3.0	1.0	6.8	1.1	.0	.0	.0	8.9	

W								NW								TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.7	2.4	.0	.0	.0	.0	3.1	.6	.8	.0	.0	.0	.0	1.4		
1-2	.4	7.1	1.2	.0	.0	.0	9.0	.7	3.3	.7	.0	.0	.0	4.7		
3-4	.0	2.0	1.0	.0	.0	.0	3.0	.0	.7	.0	.0	.0	.0	1.0		
5-6	.0	.4	.4	.0	.0	.0	.8	.0	.3	.2	.0	.0	.0	.5		
7	.0	.2	.0	.0	.0	.0	.2	.0	.1	.1	.0	.0	.0	.2		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	1.4	12.1	2.7	.0	.0	.0	16.2	1.3	5.4	1.2	.0	.0	.0	7.8	91.5	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	13.6	8.9	.3	.0	.0	.0	23.1	085
1-2	4.3	27.8	5.3	.0	.0	.0	37.4	
3-4	.6	10.9	9.7	.7	.0	.0	21.9	
5-6	.2	2.6	7.1	.8	.0	.0	10.6	
7	.0	.4	2.0	1.1	.0	.0	4.5	
8-9	.0	.0	1.1	.4	.1	.0	1.6	
10-11	.0	.0	.3	.3	.0	.0	.6	
12	.0	.0	.1	.3	.0	.0	.3	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	18.9	50.6	26.6	3.6	.1	.0	100.0	1600

PERIOD (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.5	17.7	16.6	9.3	2.7	1.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2455	3
6-7	.2	2.2	7.6	6.8	3.2	1.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1012	5
8-9	.0	.5	2.4	1.7	1.2	.6	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	321	5
10-11	.0	.5	.8	1.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	140	5
12-13	.0	.0	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	5
>13	.0	.0	.0	.5	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	7
INDET	6.9	1.2	2.5	1.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	555	2
TOTAL	530	1017	1410	946	395	164	63	34	22	7	3	0	0	0	0	0	0	0	0	4591	4
PCT	11.5	22.2	30.7	20.6	8.6	3.6	1.4	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1867-1979

ANNUAL

AREA 0610 NICARAGUA SW COAST
9.5N 86.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SHORE MAZE	SPRAY BLUG DUST	NO SIG	WEA
N	2.0	1.4	.7	.0	.0	.0	*	4.1	2.6	2.4	.2	*	1.1	*	89.7	
NE	1.4	1.0	.4	.0	.0	.0	*	2.7	1.5	2.3	.2	*	1.2	.1	92.1	
E	1.8	1.3	.6	.0	.0	.0	*	3.6	1.9	2.6	.1	*	1.6	.1	90.2	
SE	3.1	2.1	1.5	.0	.0	.0	*	6.5	3.4	4.0	.3	.0	1.0	.1	85.0	
S	4.0	2.3	1.8	.0	.0	.0	*	8.0	4.4	2.8	.2	.0	1.0	.1	83.8	
SW	4.1	2.5	1.4	.0	.0	.0	*	8.0	4.0	3.0	.1	.0	.9	.1	84.2	
W	3.2	2.1	1.2	.0	.0	.0	*	6.4	3.8	2.9	.2	*	.9	*	85.9	
NW	2.6	1.5	.6	.0	.0	.0	*	4.9	3.3	2.6	.2	*	1.0	*	88.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.9	.4	.0	.0	.0	.0	2.1	1.8	3.2	.3	*	2.4	.1	90.1	
TOT PCT	2.7	1.7	1.0	.0	.0	.0	*	5.3	3.0	2.7	.2	*	1.2	.1	87.7	
TOT OBS:	75395															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE 1/2 HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	ORZL	FRZG	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT OF TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SHORE MAZE	SPRAY BLUG DUST	NO SIG	WEA
00003	2.0	1.3	.6	.0	.0	.0	*	4.1	2.3	1.4	.1	.0	1.3	.1	90.8	
06009	2.9	1.9	1.2	.0	.0	.0	*	5.9	2.7	7.5	.2	*	1.3	.1	82.6	
12015	3.5	2.2	1.2	.0	.0	.0	*	6.8	3.7	2.2	.3	*	1.3	.1	85.8	
18021	2.3	1.5	.8	.0	.0	.0	*	4.5	3.0	.2	.2	*	1.1	.1	91.0	
TOT PCT	2.7	1.7	1.0	.0	.0	.0	*	5.3	2.9	2.8	.2	*	1.2	.1	87.6	
TOT OBS:	77696															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47		09					12	15	18	21			
N	1.6	5.6	2.4	.2	*	.0		9.8	8.2	8.2	7.1	6.6	9.7	12.2	11.7	12.3		
NE	1.3	7.9	7.5	1.3	.1	*		18.1	11.2	15.5	14.5	13.3	17.7	20.1	19.6	23.1	19.0	
E	1.2	5.8	4.6	.7	*	*		12.4	10.6	11.3	9.9	12.6	10.4	12.1	11.1	14.0	9.5	
SE	.9	3.4	.9	*	*	*		5.2	7.3	6.0	7.4	6.4	6.4	3.7	5.2	4.6	5.3	
S	1.3	4.6	1.2	*	.0	.0		7.1	7.0	9.9	10.0	7.8	7.3	5.2	6.0	5.8	7.1	
SW	1.6	6.0	2.7	.1	*	.0		12.4	7.6	15.1	15.5	13.2	12.9	10.9	11.4	10.4	13.3	
W	2.2	11.4	3.8	.1	*	.0		17.4	7.7	18.7	17.3	19.0	16.1	17.8	17.5	14.8	16.5	
NW	1.4	5.6	1.3	*	*	.0		8.3	7.4	6.8	8.0	7.6	10.2	9.6	10.8	8.4	9.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	9.2							9.2	.0	8.7	10.4	13.5	9.2	8.4	6.2	7.1	7.2	
TOT OBS							84584		8.3		18051	1622	18819	1762	18988	2487	20862	2053
TOT PCT	20.6	52.4	24.3	2.5	.1	*		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				09	06	12	18	21
N	4.4	4.6	.6	.1	*		9.8	8.2	8.1	6.9	12.2	11.7	
NE	4.6	9.5	3.7	.3	*		18.1	11.2	15.4	13.6	20.0	22.7	
E	3.9	6.2	2.1	.1	*		12.4	10.6	11.2	12.4	12.0	13.6	
SE	2.8	2.2	.2	*	*		5.2	7.3	6.1	6.6	3.6	4.7	
S	3.7	3.1	.3	*	.0		7.1	7.0	9.9	7.7	5.3	5.9	
SW	5.3	6.5	.5	*	.0		12.4	7.6	15.1	13.2	10.9	10.7	
W	7.5	9.2	.7	*	*		17.4	7.7	18.6	18.8	17.8	14.9	
NW	4.3	3.8	.2	*	.0		8.3	7.4	6.9	7.8	9.8	8.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.2						9.2	.0	8.8	13.0	8.1	7.1	
TOT OBS						84584		8.3		19653	20581	21435	22915
TOT PCT	45.7	45.1	8.5	.6	*		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1867-1979

ANAGAL

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
01003	6.8	12.4	55.9	21.3	1.4	.1	4	7.7	100.0
06009	15.0	11.1	52.9	20.9	2.1	.1	.0	7.6	100.0
12015	6.1	10.8	52.2	25.8	3.0	.1	4	8.6	100.0
18021	7.1	11.7	49.3	28.3	3.4	.1	4	9.0	100.0
TOT								8.3	84584
PCT	4.2	11.5	52.4	24.3	2.5	.1	4	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	4.4	1.9	2.4	.9		4.0
NE	9.4	3.4	4.2	1.1		3.6
E	5.4	7.4	3.6	1.3		3.7
SE	1.1	.9	1.9	1.1		4.5
S	1.0	1.2	2.9	2.0		5.0
SW	1.5	1.9	5.3	2.7		5.1
W	3.0	3.2	7.2	4.2		4.8
NW	2.4	1.6	2.8	1.7		4.5
VAR	.0	.0	.0	.0		.0
CALM	3.6	1.4	2.4	1.0		3.9
TOT OBS					62535	4.1
TOT PCT	31.8	18.3	33.1	16.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8,
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.1	.6	.3	.1	.0	.0	.0	.1	8.1
NE	.0	.0	.1	.6	.8	.4	.2	.1	.0	.0	.1	16.1
E	.1	.0	.1	.6	.5	.4	.2	.1	.0	.0	.1	10.4
SE	.0	.0	.1	.4	.6	.2	.1	.0	.0	.0	.0	3.4
S	.1	.1	.2	.9	1.0	.4	.1	.0	.0	.0	.0	4.3
SW	.2	.1	.5	1.7	2.0	.7	.2	.0	.0	.0	.0	7.0
W	.2	.1	.5	1.9	2.5	.9	.3	.1	.0	.0	.0	11.0
NW	.1	.0	.1	.6	.8	.3	.1	.0	.0	.0	.0	5.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.1	.5	.7	.3	.1	.0	.0	.0	.0	.0	7.3
TOT OBS												62535
TOT PCT	.7	.4	2.0	7.6	9.8	3.4	1.5	.5	.3	.3	73.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
= OR >5000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	2.3	2.5	2.5	2.6	2.6	2.6	2.6	2.6
= OR >2000	5.4	6.1	6.3	6.3	6.3	6.3	6.3	6.3
= OR >1000	15.7	15.8	16.0	16.1	16.1	16.1	16.1	16.1
= OR >600	19.4	23.0	23.5	23.6	23.7	23.7	23.7	23.7
= OR >300	20.6	24.7	25.4	25.6	25.6	25.6	25.6	25.6
= OR >150	20.8	25.0	25.8	25.9	26.0	26.0	26.0	26.0
= OR >0	21.0	25.5	26.3	26.5	26.6	26.6	26.7	26.7

TOTAL NUMBER OF OBS: 64276

PCT FREQ NM <5/8: 73.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OR SCDD	TOTAL OBS
	19.5	15.3	15.0	14.1	13.1	6.6	6.9	5.4	7.6	44

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	0	0	0	0	0	0	0	0	0	0	.1	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT %	0	0	0	0	0	0	0	0	0	0	.1	
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	.1	
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	
	TOT %	0	0	0	0	0	0	0	0	0	0	.1	
1<2	PCP	0	0	0	0	0	.1	.1	0	0	0	.2	
	NO PCP	0	0	0	0	0	0	0	0	0	0	.1	
	TOT %	0	0	0	0	0	.1	.1	0	0	0	.3	
2<5	PCP	0	0	0	0	.1	.2	.2	0	0	0	.6	
	NO PCP	0	.1	.1	0	.1	.1	.1	0	0	0	.5	
	TOT %	.1	.1	.1	.1	.2	.3	.3	.1	.0	.1	1.2	
5<10	PCP	.1	.1	.2	.1	.2	.5	.6	.2	0	.1	2.1	
	NO PCP	.5	.9	.7	.4	.6	1.1	1.4	.6	0	.6	6.8	
	TOT %	.6	1.0	.9	.5	.8	1.6	2.0	.7	.0	.6	8.9	
10+	PCP	.1	.2	.2	.2	.3	.5	.6	.2	0	.1	2.3	
	NO PCP	9.0	17.0	11.5	4.3	5.4	9.9	14.6	7.2	0	8.1	87.2	
	TOT %	9.1	17.1	11.6	4.5	6.1	10.4	15.1	7.3	.0	8.2	89.5	
TOT OBS													75202
TOT PCT													9.8 18.3 12.6 4.1 7.1 12.4 17.5 8.2 .0 8.9 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	0	
	11-21	0	0	0	0	0	0	0	0	0	0	.1	
	22+	0	0	0	.0	0	0	.0	0	0	0	0	
	TOT %	0	0	0	0	0	0	0	0	0	0	.2	
1/2<1	0-3	0	0	0	0	.0	0	.0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0	0	.1	
	11-21	.0	0	0	0	0	0	0	0	0	0	0	
	22+	.0	.0	0	.0	.0	0	0	0	0	0	0	
	TOT %	0	0	0	0	0	0	0	0	0	0	.1	
1<2	0-3	0	0	0	0	0	0	0	0	0	0	.1	
	4-10	0	0	0	0	0	.1	0	0	0	0	.2	
	11-21	0	0	0	0	0	0	0	0	0	0	.1	
	22+	0	.0	0	0	0	0	0	0	0	0	0	
	TOT %	0	0	0	0	0	.1	.1	0	0	0	.4	
2<5	0-3	0	0	0	0	0	0	0	0	0	0	.1	
	4-10	.1	.1	.1	0	.1	.2	.1	.1	0	0	.7	
	11-21	0	0	0	0	0	.1	.1	0	0	0	.4	
	22+	0	0	0	0	0	0	0	0	0	0	.1	
	TOT %	.1	.1	.2	.1	.2	.3	.3	.1	.0	.1	1.4	
5<10	0-3	.1	.1	.1	.1	.1	.1	.2	.1	0	.7	1.5	
	4-10	.4	.5	.4	.3	.5	.9	.1	.4	0	0	4.5	
	11-21	.1	.4	.3	.1	.2	.6	.7	.2	0	0	2.6	
	22+	0	.1	.1	0	0	0	0	0	0	0	.2	
	TOT %	.6	1.0	.9	.6	.8	1.6	2.0	.7	.0	.7	8.8	
10+	0-3	1.4	1.1	1.1	.8	1.1	1.3	1.9	1.2	0	8.3	16.2	
	4-10	5.2	7.4	5.4	2.9	4.0	6.9	10.0	5.0	0	0	46.8	
	11-21	2.3	7.2	4.4	.7	.9	2.0	3.0	1.1	0	0	21.6	
	22+	.2	1.3	.7	0	0	.1	.1	0	0	0	2.4	
	TOT %	9.1	17.1	11.6	4.5	6.0	10.3	15.0	7.3	.0	8.3	89.0	
TOT OBS													78610
TOT PCT													9.8 18.3 12.6 5.2 7.1 12.4 17.4 8.2 .0 9.0 100.0

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1867-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3000	5000	6000	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.5	.4	1.6	6.5	8.8	3.5	1.5	.5	.3	.4	24.1	75.9	16725
06009	1.0	.4	1.7	7.4	9.9	3.4	1.5	.4	.3	.3	26.4	73.6	15457
12015	.6	.4	2.3	8.7	10.0	3.7	1.4	.3	.2	.3	28.1	71.9	17420
18021	.5	.3	1.8	6.7	9.4	2.6	1.5	.5	.3	.2	24.9	75.1	17256
TOT													66658
PCT	.7	.4	1.9	7.3	9.5	3.6	1.5	.4	.3	.3	25.8	74.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.1	.1	.5	1.2	7.6	90.5	19161
06009	.1	.1	.3	1.5	10.3	87.6	19682
12015	.2	.2	.4	1.7	9.7	87.9	20426
18021	.2	.1	.4	1.3	7.4	90.2	21274
TOT							80947
PCT	.2	.1	.4	1.4	8.6	89.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.6	2.7	9.9	15.2	74.9	16063
06009	1.1	3.3	11.7	16.0	72.3	14816
12015	.7	3.6	13.1	16.2	70.7	16760
18021	.5	2.7	10.0	15.8	74.2	16637
TOT						64276
PCT	.7	3.1	11.2	15.8	73.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.1	.4	.2	.1	.0	.8	.8
85/89	.0	.0	.1	.4	2.3	4.8	1.4	.3	9.2	9.2
80/84	.0	.0	.2	4.2	21.6	27.7	5.6	.0	59.4	59.4
75/79	.0	.0	.0	.4	4.0	13.9	10.7	.0	29.0	29.0
70/74	.0	.0	.0	.0	.1	.5	1.0	.0	1.5	1.5
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									65791	100.0
PCT	.0	.0	.1	.4	7.4	30.6	43.5	17.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.1	.1	.0	.1	.1	.1	.0	.1
85/89	1.1	1.7	1.3	.5	.0	.8	1.3	.9	.0	.9
80/84	5.6	10.7	7.8	3.1	4.1	6.9	10.3	4.8	.0	5.9
75/79	2.5	5.2	3.1	1.2	2.3	4.5	5.7	2.1	.0	2.3
70/74	.2	.5	.2	.0	.1	.1	.2	.1	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	9.7	18.3	12.5	5.0	7.1	12.4	17.6	8.0	.0	9.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	98	87	85	81	77	75	63	81.2	20159
06009	95	85	83	80	76	74	66	80.0	21157
12015	95	85	83	80	76	73	66	79.6	21843
18021	97	91	88	83	77	75	68	82.6	23329
TOT	98	89	86	81	76	74	63	80.9	86488

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.7	6.3	34.7	44.2	14.1	.0	.0	81	16576
06009	.0	.2	3.3	23.4	50.0	23.1	.0	.0	84	16104
12015	.0	.5	4.3	23.2	48.4	23.6	.0	.0	84	17466
18021	.0	2.6	15.1	41.3	31.6	9.5	.0	.0	78	17226
TOT	0	674	4928	20726	29601	11944	82	67873		

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1860-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 69	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	*	*	*	*	17	.0	*
14/16	.0	.0	.0	*	*	*	*	*	52	.0	*.1
11/13	.0	.0	.0	*	.1	.1	.1	*	223	*	.3
9/10	.0	.0	*	.1	.2	.2	.1	*	438	.0	.6
7/8	.0	*	*	.2	.4	.5	.2	*	946	*	1.3
6	.0	*	*	.2	.4	.4	.2	*	822	*	1.2
5	.0	*	.1	.4	.8	.8	.2	*	1577	*	2.2
4	.0	*	.1	.6	1.3	1.0	.2	.0	2252	*	3.2
3	.0	*	.2	.7	1.5	1.1	.1	.0	2522	*	3.6
2	.0	*	.3	1.5	3.0	1.4	*	.0	4194	*	6.8
1	.0	*	.4	2.0	4.3	1.1	*	.0	5541	*	7.8
0	*	*	.4	4.4	7.9	1.1	*	.0	8779	*	13.8
-1	*	*	.4	6.8	7.2	.7	*	.0	9191	*	13.0
-2	*	*	.4	6.7	7.3	.3	*	.0	10223	*	14.7
-3	.0	*	.4	5.5	4.7	.1	.0	.0	7276	*	10.2
-4	.0	*	.6	5.1	2.6	.1	*	.0	6140	*	8.6
-5	*	*	.6	3.5	1.5	*	.0	.0	3961	*	5.6
-6	.0	*	.6	2.0	.4	*	.0	.0	2141	*	3.0
-7/-8	*	*	.4	1.5	.4	*	.0	.0	1891	*	2.6
-9/-10	*	*	.4	.3	.1	.0	.0	.0	556	.0	.8
-11/-13	*	*	.1	.1	*	.0	.0	.0	189	*	.3
-14/-16	*	*	*	*	*	.0	.0	.0	23	.0	*
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL									70767		
PCT	*	.4	5.4	39.5	44.2	8.8	1.2	.1	100.0	.7	99.8

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.7	1.2	*	.0	.0	.0	2.0	.5	1.3	.1	.0	.0	.0	1.9
1-2	.4	3.2	.6	.0	.0	.0	4.1	.3	3.9	1.3	.0	.0	.0	5.6
3-4	.1	1.1	1.1	*	.0	.0	2.3	.1	2.0	2.6	.2	.0	.0	5.0
5-6	*	.2	.5	*	*	.0	.8	*	.4	2.3	.3	*	.0	3.0
7	.0	*	.2	.1	.0	.0	.3	.0	.1	.8	.4	*	*	1.3
8-9	.0	*	*	*	.0	.0	.1	.0	*	.2	.2	*	.0	.5
10-11	.0	.0	*	*	.0	.0	*	.0	.0	.1	.1	*	.0	.2
12	.0	.0	*	*	.0	.0	.0	.0	.0	*	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	5.6	2.5	.2	*	.0	9.4	.9	7.7	7.4	1.3	.1	*	17.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	.9	*	.0	.0	.0	1.4	.4	.7	*	.0	.0	.0	1.0
1-2	.3	2.7	.9	.0	.0	.0	3.9	.2	1.6	.3	.0	.0	.0	2.0
3-4	*	1.4	1.5	.1	.0	.0	3.0	*	.5	.3	*	.0	.0	.9
5-6	*	.3	1.0	.2	*	.0	1.5	*	.1	.1	*	.0	.0	.3
7	.0	.1	.5	.1	.0	.0	.7	.0	*	*	*	.0	.0	.1
8-9	.0	*	.1	.1	.0	.0	.2	.0	*	*	*	.0	.0	*
10-11	.0	.0	*	*	.0	.0	.1	.0	.0	*	.0	.0	.0	*
12	.0	.0	*	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.4	4.0	.5	*	.0	10.8	.6	7.9	.4	*	.0	.0	4.3

PERIOD: (OVER-ALL) 1943-1979

ANNUAL

AREA 0010 NICARAGUA SW COAST
9.54 86.7W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	.0	.0	.0	.0	1.5	.6	1.6	.0	.0	.0	.0	2.2
1-2	.3	2.5	.4	.0	.0	.0	3.2	.5	4.7	.7	.0	.0	.0	5.9
3-4	.1	1.4	.6	.0	.0	.0	1.7	.1	2.3	1.4	.0	.0	.0	3.9
5-6	.0	.1	.2	.0	.0	.0	.4	.0	.5	.9	.0	.0	.0	1.4
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.3
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.7	1.4	.0	.0	.0	7.0	1.2	9.2	3.4	.1	.0	.0	14.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	2.5	.1	.0	.0	.0	3.5	.6	1.4	.0	.0	.0	.0	2.0	
1-2	.5	6.6	1.3	.0	.0	.0	8.5	.4	3.1	.5	.0	.0	.0	4.0	
3-4	.1	2.6	2.0	.0	.0	.0	5.0	.0	1.1	.6	.0	.0	.0	1.7	
5-6	.0	.6	1.2	.0	.0	.0	1.8	.0	.3	.2	.0	.0	.0	.5	
7	.0	.1	.2	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	12.4	5.1	.1	.0	.0	19.4	1.1	5.9	1.4	.0	.0	.0	8.4	91.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.5	10.6	.3	.7	.0	.0	25.5	0.5
1-2	3.7	27.7	5.6	.0	.0	.0	37.3	
3-4	.6	11.9	9.9	.4	.0	.0	22.4	
5-6	.2	2.4	6.3	.6	.0	.0	9.5	
7	.0	.4	2.1	.6	.0	.0	3.2	
8-9	.0	.1	.6	.3	.0	.0	1.0	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.1	53.3	25.3	2.2	.1	.0	100.0	18683

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	5.4	16.4	16.5	7.6	2.7	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29321	3
1-2	.2	2.4	7.3	7.0	3.2	1.1	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12853	5
3-4	.0	.4	2.6	2.6	1.5	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5310	5
5-6	.0	.7	1.0	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1956	5
7-9	.0	.0	.9	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1093	5
10-11	.0	.0	.0	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	569	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7427	2
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58324	4
TOT PCT	12.9	22.8	30.3	20.3	8.8	3.2	1.5	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(COVER-ALL) 1963-1979

AREA 0010 NICARAGUA SW COAST
9.5N 86.7W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEC F) BY MONTH

SEA TEMP DEC F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
56+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	.0
91/92	.1	.1	.1	.2	.2	.1	.2	.2	.1	.1	.0	.0	51	.1
89/90	.3	.2	.7	1.5	1.0	.7	.5	.5	.3	.2	.1	.2	446	.6
87/88	1.1	1.7	4.0	7.1	7.9	3.5	1.9	2.1	1.7	1.4	.6	.6	2288	2.9
85/86	5.1	4.1	17.1	24.6	26.4	16.4	11.5	11.6	10.1	7.5	3.9	4.1	10020	12.5
83/84	17.7	19.7	22.3	26.9	33.5	33.8	32.2	30.5	28.4	22.6	16.1	17.2	29112	25.1
81/82	28.9	25.5	22.1	27.2	22.0	34.4	34.4	37.2	37.7	36.6	35.5	32.7	24775	30.9
79/80	19.7	17.9	13.3	4.7	5.4	8.7	11.6	12.6	15.4	22.0	27.2	22.4	12310	15.4
77/78	10.1	12.0	8.9	4.2	1.8	1.7	2.6	3.9	4.0	7.2	12.0	12.6	5391	6.7
75/76	6.9	6.7	5.4	2.5	.7	.5	.6	.8	1.1	1.7	3.2	4.0	2404	3.0
73/74	4.7	4.7	3.3	1.2	.7	.2	.3	.4	.3	.4	.8	1.5	1242	1.6
71/72	2.4	2.1	1.5	.3	.1	.0	.0	.1	.0	.2	.2	.0	523	.7
69/70	1.2	1.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	.1	96	.1
67/68	.6	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	21	.0
65/66	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	.0
63/64	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
25/26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
23/24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
21/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
19/20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
17/18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
15/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
13/14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
11/12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
7/8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
5/6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
3/4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
1/2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	6493	6324	6983	6583	7320	6571	6819	6781	6622	6593	6684	6250	80003	100.0
MEAN	80.2	80.2	81.5	82.4	83.7	82.9	82.4	82.3	82.1	81.5	80.7	80.4	81.7	

TABLE 21

PRESSURE (mb)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OPS
JAN	1010	1011	1011	1009	1011	1012	1011	1009	1011	6551
FEB	1009	1010	1011	1010	1010	1012	1011	1010	1011	6395
MAR	1009	1010	1011	1009	1010	1011	1011	1009	1010	7099
APR	1009	1010	1011	1009	1010	1011	1011	1009	1010	6798
MAY	1009	1010	1011	1009	1010	1011	1011	1009	1010	7317
JUN	1010	1011	1011	1010	1010	1011	1011	1010	1011	6694
JUL	1010	1011	1011	1010	1011	1011	1011	1010	1011	7062
AUG	1010	1011	1011	1010	1011	1011	1011	1010	1011	6975
SEP	1010	1011	1011	1010	1010	1012	1011	1010	1011	6693
OCT	1010	1011	1011	1009	1011	1011	1011	1009	1011	6807
NOV	1010	1011	1011	1009	1011	1011	1011	1009	1011	6554
DEC	1010	1011	1011	1009	1011	1011	1011	1009	1011	6435
ANN	1010	1011	1011	1009	1011	1011	1011	1009	1011	81310
OPS	10142	1020	10479	1757	14009	1867	14978	1557		

PERCENTILES

MO	99%	95%	90%	75%	50%	25%	10%	5%	1%
JAN	1006	1004	1007	1009	1011	1012	1014	1016	1022
FEB	999	1004	1007	1009	1011	1012	1014	1016	1023
MAR	997	1004	1007	1009	1010	1012	1014	1015	1023
APR	997	1004	1007	1009	1010	1012	1013	1015	1021
MAY	996	1004	1007	1009	1010	1012	1013	1015	1021
JUN	1000	1004	1009	1011	1011	1012	1014	1015	1022
JUL	994	1005	1008	1010	1011	1012	1014	1015	1023
AUG	994	1005	1008	1010	1011	1012	1013	1015	1020
SEP	997	1006	1008	1010	1011	1012	1013	1015	1016
OCT	1000	1006	1008	1010	1011	1012	1013	1015	1021
NOV	998	1005	1008	1009	1011	1012	1013	1015	1020
DEC	999	1005	1007	1009	1011	1012	1014	1016	1021

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1857-1979

JANUARY

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FGG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG	NO
N	.6	.2	.4	.0	.0	.0	.0	1.2	.9	.6	.9	.0	.1	.0	.0	96.2
NE	.7	.4	.1	.0	.0	.0	.0	1.4	.7	.5	.3	.0	.8	.1	.0	96.2
E	.6	.5	.0	.0	.0	.0	.0	1.1	.4	1.5	.2	.0	1.1	.0	.0	95.6
SE	2.1	.1	.1	.0	.0	.0	.0	2.3	2.5	1.5	.4	.0	.4	.0	.0	93.2
S	1.3	2.0	.6	.0	.0	.0	.0	3.9	3.9	1.2	.1	.0	.3	.0	.0	90.6
SW	1.4	1.5	.4	.3	.0	.0	.0	3.3	2.1	1.2	.1	.0	.3	.0	.0	92.9
W	.7	1.2	.6	.0	.0	.0	.0	2.5	1.8	1.1	.3	.0	.2	.0	.0	94.1
NW	.5	.7	.5	.0	.0	.0	.0	1.8	2.3	1.0	.2	.0	.1	.1	.0	94.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.5	.5	.0	.0	.0	.0	1.1	2.0	1.1	.0	.0	.5	.0	.0	95.6
TOT PCT	.8	.5	.4	.0	.0	.0	.0	2.1	1.8	1.0	.3	.0	.4	.0	.0	94.5
TOT OBS:	511															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLUG DUST	NO SIG	NO WEA
00003	.5	.4	.1	.0	.0	.0	.0	1.0	.9	.9	.1	.0	.4	.1	.0	96.7
06009	1.3	.5	.4	.0	.0	.0	.0	2.1	1.9	2.5	.1	.0	.7	.1	.0	92.7
12015	1.2	1.5	.7	.0	.0	.0	.0	3.3	3.4	1.0	.3	.0	.3	.0	.0	91.7
18021	.5	.9	.4	.0	.0	.0	.0	1.8	1.2	.1	.5	.0	.2	.0	.0	96.1
TOT PCT	.8	.9	.4	.0	.0	.0	.0	2.1	1.8	1.0	.3	.0	.4	.0	.0	94.4
TOT OBS:	6779															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
		4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21		
N	1.7	6.9	2.0	.1	.0	.0		10.7	7.9	5.2	5.8	8.0	10.6	16.7	7.6	12.7	7.0		
NE	1.6	6.9	3.1	.2	.0	.0		11.7	8.8	6.2	2.5	7.3	8.5	17.3	8.6	15.6	10.2		
E	1.3	3.9	.9	.0	.0	.0		6.0	7.1	3.0	4.9	5.0	3.0	7.4	6.8	8.3	5.9		
SE	1.2	2.8	.3	.0	.0	.0		4.4	5.6	4.4	2.3	4.9	2.4	3.9	4.8	4.6	5.1		
S	1.7	4.9	.4	.0	.0	.0		7.0	5.9	10.5	9.3	8.2	6.8	3.8	7.0	5.9	7.9		
SW	2.3	6.6	.8	.0	.0	.0		11.7	6.1	19.0	16.0	13.0	13.3	7.3	8.8	8.7	10.8		
W	4.4	10.0	2.2	.0	.0	.0		24.6	6.5	34.5	35.2	25.1	27.4	18.6	27.6	19.4	29.9		
NW	2.3	10.2	1.2	.0	.0	.0		13.6	6.6	10.8	17.6	12.4	17.9	15.1	19.9	14.3	14.2		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	10.3							10.3	.0	6.5	6.5	16.2	10.3	9.9	8.8	10.5	7.0		
TOT OBS	2006	4690	815	24	1	0	7536		6.2	1680	108	1343	194	1710	181	2083	257		
TOT PCT	26.6	62.2	10.8	.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	4.7	5.5	.5	.0	.0		10.7	7.9	5.2	6.3	12.3
NE	4.5	6.2	.9	.0	.0		11.7	8.8	6.0	7.4	16.5
E	3.2	2.7	.1	.0	.0		6.0	7.1	3.1	4.7	8.1
SE	3.0	1.3	.0	.0	.0		4.4	5.6	4.2	4.6	4.6
S	4.8	2.1	.1	.0	.0		7.0	5.9	10.4	8.0	6.1
SW	7.7	3.9	.1	.0	.0		11.7	6.1	18.8	13.1	7.5
W	14.5	10.0	.1	.0	.0		24.6	6.5	34.6	35.4	19.5
NW	7.8	5.8	.1	.0	.0		13.6	6.6	11.2	13.1	14.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	10.3						10.3	.0	6.5	15.4	9.8
TOT OBS	4540	2828	141	7	7536		6.2	1788	1537	1891	2320
TOT PCT	60.5	37.5	1.9	.1	.0		100.0		100.0	100.0	100.0

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1957-1979

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AREA 0011 PUNTA BURICA
7.6M 83.0d

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	6.5	16.5	68.7	8.0	.2	.0	.0	6.1	100.0	1788
0400	15.4	15.9	54.1	12.0	.5	.1	.0	5.8	100.0	1537
1200	9.8	13.8	62.7	13.4	.3	.0	.0	6.6	100.0	1891
1600	10.1	18.6	60.9	10.1	.3	.0	.0	6.0	100.0	2320
TOT	774	1232	4690	815	24	1	0	6.2		7536
PCT	10.3	16.3	62.2	10.6	.3	0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	5.0	2.2	1.9	.5		2.3
NE	6.6	2.3	1.4	.6		2.6
E	3.1	1.8	1.3	.1		2.9
SE	1.6	1.0	1.6	.4		4.0
S	7.3	1.6	2.1	1.1		4.2
SW	3.7	2.7	4.1	1.4		4.2
W	9.0	6.6	7.5	2.0		3.7
NW	4.8	4.1	3.4	.8		3.5
VAR	.0	.0	.0	.0		.0
CALM	5.0	3.0	2.4	.4	5184	3.1
TOT PCT	41.1	25.3	26.1	7.5	100.0	1.5

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	0	.0	.1	.3	.5	.2	0	.1	0	.1	8.4	
NE	0	.0	0	.2	.5	.2	.1	0	0	0	10.3	
E	.0	.0	.1	.2	.2	.1	0	.0	0	.0	5.7	
SE	0	0	.1	.3	.3	.1	.1	0	0	0	3.6	
S	0	0	.1	.5	.4	.2	0	0	.0	.1	5.5	
SW	.1	0	.1	.7	1.3	.4	.1	0	.0	0	9.1	
W	.1	0	.2	1.3	1.8	.8	.3	0	0	0	20.4	
NW	.0	0	.1	.5	.7	.3	.1	0	0	0	11.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	0	.1	.4	.6	.2	.1	0	0	.0	9.5	
TOT OBS	2129	1314	1354	347	5184	17	8	12	4339		5184	
TOT PCT	.3	.1	.8	4.3	6.6	2.6	1.0	.3	.2	.2	83.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) <5/8 AND VISBY (NM)

CEILING (FEET)	= OR >10	= OR 75	= OR 32	VISBY (NM) = OR 31	= OR 31/2	= OR 31/4	= OR 3/8	= OR 3/16
= OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
= OR >5000	.6	.6	.7	.7	.7	.7	.7	.7
= OR >3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >2000	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1
= OR >1000	9.9	10.5	10.6	10.6	10.6	10.6	10.6	10.6
= OR >600	13.5	14.6	14.9	14.9	14.9	14.9	14.9	14.9
= OR >300	14.2	15.3	15.7	15.7	15.8	15.8	15.8	15.8
= OR >150	14.3	15.5	15.8	15.8	15.9	15.9	15.9	15.9
= OR >0	14.4	15.8	16.1	16.1	16.1	16.2	16.2	16.2
TOTAL	777	848	865	867	869	870	870	870

TOTAL NUMBER OF OBS: 5382

PCT FREQ NM <5/8: 83.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
15.0	22.8	22.3	14.4	9.2	5.2	4.7	3.3	2.8	.2	5767

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1957-1979

JANUARY

AREA CODE PUNTA BUNICA
7.64 83.04

TABLE 6

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.4
	TOT 1	.0	.1	.1	.0	.0	.0	.2	.1	.0	.0	.0	.6
5<10	PCP	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.6
	NO PCP	.8	.7	.2	.3	.3	.6	.8	.7	.0	.5	5.0	5.0
	TOT 1	.8	.7	.2	.3	.4	.8	1.0	.8	.0	.5	5.6	5.6
10+	PCP	.1	.0	.1	.1	.2	.2	.3	.1	.0	.1	1.1	1.1
	NO PCP	9.3	10.6	6.0	3.9	6.2	10.7	22.9	13.0	.0	9.6	92.6	92.6
	TOT 1	9.4	10.6	6.1	4.0	6.5	11.0	23.2	13.1	.0	9.7	93.7	93.7
TOT OBS													
TOT PCT													
10.3 11.7 6.4 4.4 6.9 11.8 24.4 14.0 .0 10.2 100.0													

6.54

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
	4-10	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.1	.1	.0	.0	.0	.1	.2	.0	.0	.0	.7
5<10	0-3	.1	.1	.1	.1	.1	.1	.3	.2	.0	.5	1.6	1.6
	4-10	.6	.4	.1	.2	.2	.6	.6	.5	.0	.0	3.1	3.1
	11-21	.1	.2	.0	.0	.0	.1	.1	.1	.0	.0	.7	.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.8	.7	.2	.3	.4	.7	.9	.8	.0	.5	5.5	5.5
10+	0-3	1.5	1.5	1.2	1.1	1.6	2.2	3.9	2.0	.0	9.8	24.7	24.7
	4-10	6.1	6.3	3.8	2.6	4.5	8.0	17.2	9.7	.0	.0	58.2	58.2
	11-21	1.9	2.9	.9	.3	.9	.7	2.1	1.2	.0	.0	10.3	10.3
	22+	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3
	TOT 1	9.6	10.8	5.9	3.9	6.5	11.0	23.2	12.9	.0	9.8	93.6	93.6
TOT OBS													
TOT PCT													
10.4 11.7 6.2 4.3 7.0 11.8 24.4 13.9 .0 10.3 100.0													

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PERIOD: (PRI-ARY) 1949-1979
(OVER-ALL) 1857-1979

AREA: NC11 PUNTA BURICA
7.64 83.06

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.1	.1	.6	3.7	5.2	2.2	.9	.3	.0	.2	13.3	86.7	1439
06009	.8	.1	.4	4.9	6.7	3.1	.8	.2	.5	.5	18.4	81.6	1100
12015	.1	.1	1.2	5.1	7.2	2.4	1.1	.1	.1	.1	17.7	82.3	1465
18021	.2	.1	.7	3.0	5.9	2.0	.9	.4	.1	.2	13.6	86.4	1652
TOT	16	5	47	232	352	137	53	14	8	13	877	4779	5656
PCT	.3	.1	.6	4.1	6.2	2.4	.9	.2	.1	.2	15.5	84.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.1	.2	.4	4.5	94.8	1704
06009	.3	.1	.5	.6	6.3	92.3	1444
12015	.0	.0	.0	1.3	6.3	92.4	1795
18021	.1	.0	.0	.5	5.4	93.9	2148
TOT	7	2	11	49	396	6626	7091
PCT	.1	.0	.2	.7	5.6	93.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 (5000)	<600 (1500)	<1000 (2500)	<1000 AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	1.0	4.6	9.7	86.0	1362
06009	.9	1.9	7.4	12.2	80.4	1050
12015	.1	1.5	7.4	11.3	81.3	1401
18021	.3	1.0	4.4	9.7	85.6	1569
TOT	15	70	317	563	4502	5382
PCT	.3	1.3	5.9	10.5	93.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.1
90/94	.0	.0	.0	.2	.5	.2	.1	.0	54	1.0
85/89	.0	.0	.0	.7	4.2	5.5	.9	.4	667	11.6
80/84	.0	.0	.0	.6	9.8	33.8	22.2	4.3	4004	70.7
75/79	.0	.0	.0	.0	.3	4.6	8.0	3.3	919	16.2
70/74	.0	.0	.0	.0	.0	.0	.0	.2	14	.2
TOTAL	0	1	4	85	840	2493	1770	468	5661	100.0
PCT	.0	.0	.1	1.5	14.8	44.0	31.3	8.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.2	.0	.0	.1	.1	.2	.0	.2
85/89	1.1	1.9	1.1	.6	.7	1.1	2.7	1.6	.0	1.0
80/84	7.7	8.1	4.2	2.6	4.9	8.2	17.4	9.5	.0	7.3
75/79	1.4	1.8	.9	.9	1.3	2.2	3.8	2.2	.0	1.8
70/74	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
TOTAL	10.3	12.0	6.4	4.5	7.0	11.6	24.4	13.4	.0	10.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	92	67	65	62	79	77	70	81.8	1449
06009	89	65	63	61	77	75	73	80.5	1425
12015	97	86	83	80	77	75	69	80.3	1944
18021	95	92	89	85	79	76	68	83.5	2379
TOT	77	90	86	81	78	75	69	81.7	7777

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (5-T)	0-29	30-59	60-69	70-74	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.9	11.2	50.7	30.6	6.6	74	1475
06009	.0	.3	6.3	40.6	42.7	10.0	80	1170
12015	.7	.6	9.1	40.4	37.3	12.6	80	1521
18021	.0	3.8	26.1	44.2	19.0	4.9	74	1738
TOT	0	93	865	2627	1848	491	78	5904

PERIOD: (PRIMARY) 1969-1979
(OVER-ALL) 1957-1979

JANUARY

AREA C011 PUNTA BURICA
7.64 83.00

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

TEMPERATURE	65	69	73	77	81	85	89	93	TOT	%	%
DIFFERENCE	68	72	76	80	84	88	92		FOG		FOG
10/16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.2
9/10	.0	.0	.0	.0	.0	.0	.0	.0	33	.0	.5
7/8	.0	.0	.0	.1	.2	.5	.5	.0	77	.0	1.2
6	.0	.0	.0	.1	.1	.7	.3	.0	76	.0	1.2
5	.0	.0	.0	.2	.4	1.1	.3	.0	120	.0	2.1
4	.0	.0	.0	.2	1.4	1.3	.2	.0	194	.0	3.1
3	.0	.0	.0	.2	1.4	1.5	.1	.0	194	.1	3.1
2	.0	.0	.0	.6	3.7	1.8	.1	.0	383	.0	6.1
1	.0	.0	.0	.8	5.3	1.7	.0	.0	488	.1	7.6
0	.0	.0	.0	3.0	10.2	1.2	.0	.0	497	.0	7.6
-1	.0	.0	.0	4.2	10.0	.6	.0	.0	520	.0	7.6
-2	.0	.0	.0	6.7	9.7	.3	.0	.0	1039	.0	16.6
-3	.0	.0	.0	5.0	5.6	.2	.0	.0	675	.0	10.9
-4	.0	.0	.0	4.8	3.1	.0	.0	.0	520	.0	8.6
-5	.0	.0	.0	3.1	1.6	.0	.0	.0	334	.0	5.1
-6	.0	.0	.0	1.2	.4	.0	.0	.0	115	.0	1.9
-7/-8	.0	.0	.0	.3	.3	.0	.0	.0	92	.0	1.5
-9/-10	.0	.0	.0	.2	.1	.0	.0	.0	31	.0	.5
-11/-13	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	1	6	98	1933	688	111	5	6200	17	6193	
PCT	.0	.1	1.5	31.2	54.2	11.1	1.0	.1	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.0	.0	.0	.0	.0	.0	1.7	1	.0	.0	.0	.0	.0	.0	2.1
2	.0	.0	.0	.0	.0	.0	5.4	2	.0	.0	.0	.0	.0	.0	6.5
3	.0	.0	.0	.0	.0	.0	2.1	3	.0	.0	.0	.0	.0	.0	3.1
4	.0	.0	.0	.0	.0	.0	.4	4	.0	.0	.0	.0	.0	.0	1.0
5	.0	.0	.0	.0	.0	.0	.0	5	.0	.0	.0	.0	.0	.0	.1
6	.0	.0	.0	.0	.0	.0	.0	6	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.1
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.1
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.1
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.1
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.1
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.1
TOT PCT	1.0	6.0	1.7	.1	.0	.0	9.5	TOT PCT	1.0	6.0	1.7	.1	.0	.0	12.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.0	.0	.0	.0	.0	.0	1.5	1	.0	.0	.0	.0	.0	.0	1.3
2	.0	.0	.0	.0	.0	.0	3.0	2	.0	.0	.0	.0	.0	.0	1.9
3	.0	.0	.0	.0	.0	.0	1.7	3	.0	.0	.0	.0	.0	.0	.4
4	.0	.0	.0	.0	.0	.0	.3	4	.0	.0	.0	.0	.0	.0	.1
5	.0	.0	.0	.0	.0	.0	.0	5	.0	.0	.0	.0	.0	.0	.1
6	.0	.0	.0	.0	.0	.0	.0	6	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.1	10-11	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.1
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.1
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.1
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.1
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.1
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.1
TOT PCT	1.1	6.5	.7	.2	.0	.0	8.1	TOT PCT	1.1	6.5	.7	.2	.0	.0	1.9

PERIOD: (OVER-ALL) 1963-1979

JANUARY

AREA CM11 PUNTA BURICA
7.6N 83.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VEPSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.0	1.9	.0	.0	.0	.0	2.9	.9	2.3	.1	.0	.0	.0	3.2
1-2	.6	2.2	.3	.0	.0	.0	3.2	.4	5.1	.1	.0	.0	.0	5.6
3-4	.0	.4	.0	.0	.0	.0	.4	.1	1.2	.3	.0	.0	.0	1.6
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	4.7	.3	.0	.0	.0	6.6	1.4	8.7	.5	.0	.0	.0	10.6

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.3	4.4	.0	.0	.0	.0	5.7	1.1	2.6	.0	.0	.0	.0	3.7	88.3
1-2	1.3	12.3	1.2	.0	.0	.0	14.7	.6	6.9	.7	.0	.0	.0	8.2	
3-4	.3	2.4	.9	.0	.0	.0	3.6	.0	1.8	.3	.0	.0	.0	2.2	
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	19.5	2.0	.0	.0	.0	24.5	1.7	11.5	1.2	.0	.0	.0	14.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.8	14.8	.1	.0	.0	.0	34.7	1647
1-2	5.3	38.6	4.2	.0	.0	.0	48.3	
3-4	.5	9.2	4.3	.1	.0	.0	14.1	
5-6	.0	1.1	1.0	.4	.0	.0	2.5	
7	.0	.1	.1	.0	.0	.0	.2	
8-9	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	25.9	63.7	9.9	.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	12.1	27.4	14.9	3.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2678	2
6-7	.3	3.2	5.4	2.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	556	3
8-9	.1	1.0	2.2	1.4	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	254	4
10-11	.0	1.4	1.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	137	3
12-13	.0	.0	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	65	4
>13	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	6
INDET	12.6	3.1	2.0	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	861	1
TOTAL	1149	1653	1202	408	96	39	12	5	4	3	1	0	0	0	0	0	0	0	0	4572	2
PCT	25.1	36.2	26.3	8.9	2.1	.9	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1949-1979
(COVER-ALL) 1861-1979

FEBRUARY

AREA MD11 PUNTA BURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						MAIL	PCPN AT		THDR	OTHER WEATHER PHENOMENA				NO SIG
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN		OB TIME	HOUR		FOG NO PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST	
N	.2	.8	.0	.0	.0	.0	.0	1.3	.6	1.5	.8	.0	1.0	.0	95.1
NE	.2	.7	.1	.0	.0	.0	.0	1.0	.9	1.0	.2	.0	1.3	.0	96.4
E	.6	1.5	.0	.0	.0	.0	.0	2.2	1.2	.8	.8	.0	1.0	.0	94.0
SE	1.3	1.9	.5	.0	.0	.0	.0	3.7	1.7	1.7	.5	.0	.4	.0	92.5
S	1.0	.7	.4	.0	.0	.0	.0	1.9	1.5	.6	.0	.0	2.4	.0	93.5
SW	.0	.4	.0	.0	.0	.0	.0	.4	1.5	1.6	.0	.0	.6	.0	95.9
W	.2	.5	.2	.0	.0	.0	.1	1.0	1.5	.8	.2	.0	.8	.0	95.8
NW	1.0	1.1	.3	.0	.0	.0	.0	2.3	1.2	1.5	.5	.0	.8	.1	93.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8	.5	.3	.0	.0	.0	.0	1.5	1.3	1.6	.1	.0	.8	.0	94.8
TOT PCT	.5	.8	.2	.0	.0	.0	.	1.5	1.2	1.2	.3	.0	1.0	.	94.9
TOT OBS:	6256														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						MAIL	PCPN AT		THDR	OTHER WEATHER PHENOMENA				NO SIG
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN		OB TIME	HOUR		FOG NO PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLWG DUST	
0000	.2	.3	.1	.0	.0	.0	.0	.6	.4	.6	.1	.0	1.1	.0	97.4
0600	.6	.7	.3	.0	.0	.0	.0	1.6	1.4	3.4	.6	.0	1.1	.1	92.0
1200	.7	1.8	.2	.0	.0	.0	.1	2.8	2.0	1.7	.4	.0	.7	.0	92.5
1800	.7	.5	.2	.0	.0	.0	.0	1.2	.8	.1	.4	.0	.9	.0	96.6
TOT PCT	.5	.6	.2	.0	.0	.0	.	1.5	1.1	1.3	.4	.0	.9	.	94.8
TOT OBS:	6270														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	2.1	6.4	1.8	.	.	.0	10.3	7.2	4.0	3.5	8.0	13.7	15.5	8.1	13.5	7.7	
NE	1.8	7.7	5.7	.2	.	.0	13.4	8.9	4.5	2.5	9.7	10.1	22.7	15.3	16.6	13.1	
E	1.6	5.9	1.3	.	.0	.0	8.9	6.9	5.9	7.6	6.9	6.8	9.8	8.6	12.6	6.5	
SE	1.7	4.0	.3	.0	.0	.0	6.0	5.6	6.5	4.9	5.5	6.0	4.6	3.7	7.1	9.2	
S	2.2	5.3	.3	.0	.0	.0	7.7	5.4	12.1	10.2	8.9	6.6	3.8	7.6	7.0	13.2	
SW	2.6	7.6	.7	.0	.0	.0	10.8	5.8	20.2	17.8	10.0	11.3	4.8	11.3	7.1	17.2	
W	4.0	15.6	1.2	.	.0	.0	18.9	6.0	29.8	28.1	20.0	21.8	12.4	19.6	13.6	16.1	
NW	2.1	7.9	.0	.	.0	.0	10.9	6.2	8.1	7.4	11.1	10.6	13.6	17.2	10.6	9.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.1						13.1	.0	8.7	18.0	22.0	13.1	12.7	8.7	12.0	7.1	
TOT OBS	2270	4262	742	22	1	0	7297	5.8	1640	128	1287	221	1622	195	1950	254	
TOT PCT	31.1	58.4	10.2	.3	.	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	12	18
N	5.4	4.6	.3	.	.0	10.3	7.2	3.9	8.8	14.7	12.8		
NE	5.2	7.0	1.2	.	.0	13.4	8.9	4.4	9.7	21.9	16.2		
E	5.0	3.6	.2	.0	.0	8.9	6.9	6.1	6.9	9.7	11.9		
SE	4.2	1.7	.1	.0	.0	6.0	5.6	6.4	5.6	4.5	7.3		
S	5.6	2.1	.	.0	.0	7.7	5.4	12.0	6.8	4.2	7.7		
SW	7.2	3.6	.1	.0	.0	10.8	5.8	20.1	10.2	5.5	8.3		
W	12.3	6.4	.2	.0	.0	18.9	6.0	29.7	20.3	13.2	11.9		
NW	6.8	4.0	.1	.0	.0	10.9	6.2	8.1	11.0	14.0	10.5		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	13.1					13.1	.0	9.4	20.7	12.3	11.4		
TOT OBS	4727	2410	156	4	0	7297	5.8	1768	1508	1817	2204		
TOT PCT	64.8	33.0	2.1	.1	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1949-1979
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7.6N 83.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	9.4	18.3	64.3	7.7	.3	.1	.0	5.8	100.0	1768
06009	20.7	16.3	53.4	9.2	.4	.0	.0	5.2	100.0	1308
12015	12.3	16.2	59.0	15.1	.4	.0	.0	6.4	100.0	1817
18021	11.4	20.6	59.1	8.7	.1	.0	.0	5.6	100.0	2204
TOT	953	1317	4262	742	22	1	0	5.8		7297
PCT	1.1	18.0	56.4	10.2	.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	5.5	2.4	1.8	.3		2.6
NE	7.2	2.8	1.8	.3		2.3
E	4.4	2.1	1.9	.5		3.0
SE	2.6	1.7	1.5	.5		3.4
S	2.7	2.2	2.3	.4		3.4
SW	3.8	3.2	3.4	.6		3.6
W	8.0	5.4	5.4	1.0		3.4
NW	4.3	3.0	3.0	.6		3.4
VAR	.0	.0	.0	.0		.0
CALM	7.1	3.4	2.7	.6	4924	3.1
TOT OBS	2234	1281	1171	238		
TOT PCT	45.4	26.0	23.8	4.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM ANY	<5/8 HGT	TOTAL OBS
0	0	0	2	2	2	1	1	0	0	0	9.1	
0	0	0	3	3	2	0	0	0	0	0	11.2	
0	0	1	4	3	2	1	0	1	0	0	7.7	
0	0	0	2	3	2	1	1	0	0	0	5.3	
0	0	1	3	5	2	1	1	0	0	0	6.1	
0	0	0	3	4	5	1	0	0	0	0	9.2	
0	0	1	6	1	5	4	1	0	0	1	16.8	
0	0	2	4	9	4	1	0	0	0	0	8.9	
0	0	0	0	0	0	0	0	0	0	0	.0	
0	0	0	0	0	0	0	0	0	0	0	.0	
0	0	5	32	150	255	125	55	11	11	16	424.0	
1	3	6	30	52	25	13	2	2	3	6	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000				
≥ OR >6500	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
≥ OR >5000	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
≥ OR >3500	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ OR >2000	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ OR >1000	8.8	9.4	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
≥ OR >400	11.2	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
≥ OR >300	11.6	12.8	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
≥ OR >150	11.7	12.9	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
≥ OR >0	11.8	12.9	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
TOTAL	608	667	681	684	685	685	685	685	685	685	685

TOTAL NUMBER OF OBS: 5158

PCT FREQ NM <5/8: 86.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
20.1	23.7	20.8	14.1	8.2	4.2	3.9	3.0	2.1	.0	5499

PERIOD: (PPINAR) 1949-1979
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TABLE 8

AREA 0011 PUNTA GUECA
7.6N 83.0W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.0	.0
	NO PCP	9.4	12.1	8.1	5.6	7.0	10.5	18.1	10.1	.0	12.1	93.0	93.0
	TOT %	9.5	12.2	8.2	5.7	7.1	10.5	18.2	10.2	.0	12.2	93.0	93.0
TOT OBS													6236
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	1.9	1.6	1.5	1.5	2.9	2.4	3.7	2.0	.0	12.6	29.3	29.3
	4-10	5.8	7.0	5.3	3.7	8.9	7.5	13.1	7.4	.0	54.6	54.6	54.6
	11-21	1.7	3.4	1.2	.3	.2	.6	1.1	.9	.0	9.5	9.5	9.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	9.5	12.0	8.1	5.5	7.0	10.6	18.0	10.2	.0	12.6	93.0	93.0
TOT OBS													6600
TOT PCT													100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	500 1999	600 3499	700 4999	800 6499	9000+	TOTAL	NM <5/8 ANY MGT	TOTAL OBS
00003	.1	.0	.3	2.1	4.1	1.9	1.3	.2	.2	.5	10.7	84.3
06009	.0	.1	.4	2.9	4.4	2.8	1.6	.1	.0	.6	12.8	87.2
12015	.1	.2	1.1	3.7	6.6	2.9	.9	.1	.4	.4	16.5	83.5
18021	.1	.1	.5	2.6	4.2	2.2	.5	.3	.2	.0	10.7	84.3
TOT	4	5	32	154	265	132	56	11	11	19	689	4777
PCT	.1	.1	.6	2.8	4.6	2.4	1.0	.2	.2	.3	12.6	87.4

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.1	.1	.2	.5	3.6	95.3	1693
06009	.1	.1	.1	.3	6.4	93.0	1433
12015	.1	.1	.2	.8	6.5	92.5	1726
18021	.0	.1	.1	.5	5.4	93.8	2065
TOT	3	7	9	38	381	6479	6917
PCT	.1	.1	.1	.5	5.5	93.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGTS OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	.3	2.7	8.6	88.7	1370
06009	.0	.5	4.2	10.0	85.9	1012
12015	.2	1.7	6.0	11.7	82.3	1322
18021	.1	.8	3.9	7.6	88.5	1454
TOT	5	42	215	464	4459	5158
PCT	.1	.8	4.2	9.4	86.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	5	.1
90/94	.0	.0	.1	.5	.6	.3	.1	.0	85	1.6
85/89	.0	.0	.0	1.3	6.3	6.4	1.4	.3	853	15.6
80/84	.0	.0	.1	.7	11.0	35.0	20.6	3.9	3918	71.5
75/79	.0	.0	.0	.0	.3	3.5	5.3	2.1	610	11.1
70/74	.0	.0	.0	.0	.0	.0	.0	.0	8	.1
TOT	0	0	8	126	994	2479	1519	353	5479	100.0
PCT	.0	.0	.1	2.3	18.1	45.2	27.7	6.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.2	.3	.1	.1	.2	.1	.3	.1	.0	.2
85/89	1.6	2.2	1.8	1.0	1.4	1.4	2.7	1.5	.0	1.8
80/84	7.1	8.2	6.1	4.6	5.5	7.8	14.9	7.7	.0	9.7
75/79	1.3	2.3	1.1	.6	.6	1.0	1.5	1.3	.0	1.4
70/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT	10.3	13.0	9.2	6.3	7.7	10.3	19.4	10.7	.0	13.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	91	88	86	82	79	77	69	82.4	1841
06009	88	85	84	81	78	76	68	81.0	1596
12015	92	85	84	81	77	75	72	80.6	1870
18021	96	92	89	84	79	77	69	84.1	2285
TOT	96	90	87	82	78	76	68	82.2	7592

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	15.8	50.9	25.9	6.1	76			1471
06009	.0	.6	7.4	45.0	38.1	8.8	79			1144
12015	.0	.7	11.2	42.3	36.8	9.0	79			1483
18021	.0	6.2	33.5	42.1	15.1	3.2	72			1656
TOT	0	138	1039	2597	1621	379	76			5774

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1961-1979

FEBRUARY

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 66	67 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	% FOG
20/22	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
17/19	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.1	.0	7	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.2	24	.0	.4
9/10	.0	.0	.0	.1	.2	.2	.1	39	.0	.7
7/6	.0	.0	.0	.1	.5	.6	.4	98	.0	1.6
6	.0	.0	.0	.2	.4	.6	.3	87	.0	1.5
5	.0	.0	.0	.1	.7	1.2	.5	154	.0	2.6
4	.0	.0	.0	.3	1.1	1.5	.2	189	.0	3.1
3	.0	.0	.0	.3	1.1	1.8	.3	207	.0	3.4
2	.0	.0	.0	.7	3.4	2.5	.1	396	.0	6.6
1	.0	.0	.1	.8	4.2	2.2	.1	436	.0	7.2
0	.0	.0	.0	2.5	10.4	2.0	.0	693	.0	14.7
-1	.0	.0	.0	2.6	9.5	1.1	.0	797	.0	13.3
-2	.0	.0	.1	4.3	11.5	.6	.0	982	.1	16.3
-3	.0	.0	.1	3.2	6.3	.2	.0	567	.0	9.8
-4	.0	.0	.1	3.5	5.0	.1	.0	520	.0	8.7
-5	.0	.0	.1	2.3	2.2	.1	.0	279	.0	4.7
-6	.0	.0	.2	1.3	.9	.0	.0	159	.0	2.3
-7/-8	.0	.0	.2	1.0	.7	.0	.0	113	.0	1.9
-9/-10	.0	.0	.1	.5	.2	.0	.0	38	.0	.6
-11/-13	.0	.0	.0	.1	.0	.0	.0	9	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
TOTAL	1	5	56	141	348	886	128	1500	21	59.7
PCT	.0	.1	.4	23.0	58.1	14.8	2.1	170.0	.4	59.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	1.3	.0	.0	.0	.0	2.6	.4	1.4	.0	.0	.0	.0	1.4
1-2	.9	2.8	.5	.0	.0	.0	4.2	.7	3.3	1.0	.0	.0	.0	5.0
3-4	.1	1.3	.9	.0	.0	.0	2.3	.1	1.4	1.5	.0	.0	.0	3.1
5-6	.0	.2	.4	.0	.0	.0	.6	.0	.2	.7	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	5.7	1.9	.0	.0	.0	9.8	1.2	6.4	3.8	.1	.0	.0	11.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.8	.1	.0	.0	.0	2.7	1.2	1.7	.0	.0	.0	.0	2.9
1-2	.9	3.5	.7	.0	.0	.0	5.2	.6	2.1	.2	.0	.0	.0	2.9
3-4	.0	.5	.6	.0	.0	.0	1.0	.1	.7	.1	.0	.0	.0	.9
5-6	.0	.4	.1	.0	.0	.0	.5	.1	.1	.1	.0	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	6.3	1.6	.0	.0	.0	9.5	2.0	4.6	.4	.0	.0	.0	7.0

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

TABLE 16 (CONT)

AREA U111 PUNTA BURICA
7.44 43.04

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.5	.0	.0	.0	.0	3.3	.9	2.9	.0	.0	.0	.0	3.5
1-2	.4	2.9	.1	.0	.0	.0	3.5	.6	5.2	.2	.0	.0	.0	6.0
3-4	.1	.5	.2	.0	.0	.0	.8	.1	.5	.3	.0	.0	.0	.9
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.1	.3	.0	.0	.0	7.7	1.6	8.5	.6	.0	.0	.0	10.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	2.4	4.9	.1	.0	.0	.0	7.3	1.1	2.3	.0	.0	.0	.0	3.4	
1-2	1.0	9.3	.8	.0	.0	.0	11.1	.7	4.6	.6	.0	.0	.0	4.8	
3-4	.1	1.1	.2	.0	.0	.0	1.3	.1	1.5	.0	.0	.0	.0	1.6	
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.4	15.4	1.1	.0	.0	.0	20.0	1.4	8.0	.4	.0	.0	.0	10.1	86.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.8	18.0	.1	.0	.0	.0	43.0	
1-2	5.8	32.0	3.9	.0	.0	.0	41.7	
3-4	.6	7.2	3.6	.0	.0	.0	11.4	
5-6	.1	1.2	1.6	.0	.0	.0	2.9	
7	.0	.1	.5	.1	.0	.0	.6	
8-9	.0	.1	.0	.0	.0	.0	.1	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-46	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	31.3	58.7	10.0	.1	.0	.0	100.0	1476

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	48-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	12.9	26.1	13.0	2.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2403	2
6-7	.3	2.4	4.2	2.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	152	3
8-9	.1	1.6	1.8	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	116	4
10-11	.0	1.5	1.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	3
12-13	.0	.0	1.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	4
14-15	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	6
16-17	17.5	2.6	2.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	988	1
TOTAL	1332	1494	1042	319	104	24	9	7	4	2	0	0	0	0	0	0	0	0	0	4339	2
PCT	10.7	34.4	24.0	7.4	2.4	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1861-1979

MARCH

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SH&R	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.8	1.4	.4	.0	.0	.0	.0	2.6	1.3	1.1	.6	.0	4.7	.0	89.7
NE	.4	.3	.0	.0	.0	.0	.0	.7	1.2	1.1	.5	.0	3.8	.0	92.7
E	.6	.5	.1	.0	.0	.0	.0	1.2	1.0	2.4	1.7	.0	4.6	.0	89.3
SE	2.0	.8	.3	.0	.0	.0	.0	3.2	2.0	2.7	.7	.0	4.1	.0	87.5
S	.4	.5	.5	.0	.0	.0	.0	1.4	1.9	2.8	.6	.0	5.1	.1	88.2
SW	.8	.7	.5	.0	.0	.0	.0	1.8	2.4	2.2	.3	.0	4.0	.1	89.2
W	.4	.0	.1	.0	.0	.0	.0	1.4	1.3	1.9	.2	.0	3.8	.0	91.5
NW	1.4	1.0	.4	.0	.0	.0	.0	3.1	1.9	2.0	.2	.0	2.8	.0	90.3
VAR	.0	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.1	.1	.0	.0	.0	.0	.7	1.0	1.7	.9	.0	5.6	.1	89.9
TOT PCT	.7	.7	.3	.0	.0	.0	.0	1.6	1.5	2.0	.6	.0	4.3	.	90.0
TOT OBS:	7013														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZM PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	.5	.1	.0	.0	.0	.0	.0	.6	.6	.9	.5	.0	3.8	.2	93.5
06009	.8	1.1	.1	.0	.0	.0	.0	1.9	1.7	6.2	.7	.0	3.7	.0	85.9
12015	1.1	1.3	.4	.0	.0	.0	.0	2.8	2.8	2.3	.8	.0	4.1	.1	87.2
18021	.6	.3	.4	.0	.0	.0	.0	1.3	1.2	.1	.7	.0	5.2	.0	91.6
TOT PCT	.7	.7	.2	.0	.0	.0	.0	1.6	1.6	2.2	.6	.0	4.3	.1	89.7
TOT OBS:	7423														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		04-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.8	4.9	1.4	.1	.0	.0	.0	8.2	7.3	3.3	1.5	7.0	5.2	12.2	3.0	10.7	6.9
NE	1.6	7.2	2.9	.1	.0	.0	.0	11.8	8.4	4.0	1.7	4.5	7.7	19.0	10.6	15.0	11.1
E	2.0	7.0	1.0	.0	.0	.0	.0	10.0	6.5	5.0	5.8	6.9	5.3	11.5	12.2	15.5	9.2
SE	1.6	5.6	.8	.0	.0	.0	.0	8.0	6.2	8.4	9.0	7.1	8.7	5.6	8.9	9.5	13.6
S	2.3	7.1	.8	.0	.0	.0	.0	10.2	6.1	16.1	15.2	9.5	13.6	5.1	6.2	9.4	14.7
SW	2.8	7.9	.9	.0	.0	.0	.0	11.6	6.0	22.6	12.4	9.4	15.9	6.5	11.8	7.7	12.9
W	5.7	11.7	1.0	.0	.0	.0	.0	16.5	5.9	26.4	20.3	17.2	18.3	13.5	15.8	10.5	14.8
NW	2.0	6.0	.8	.0	.0	.0	.0	8.6	6.2	5.9	15.4	9.9	6.6	11.4	13.3	8.1	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	14.8							14.8	.0	8.2	18.8	23.4	18.6	15.4	18.1	13.7	9.3
TOT OBS	2662	4673	793	25	0	0	0	1551	5.6	1790	117	1521	215	1604	182	2278	246
TOT PCT	32.7	57.3	9.7	.3	.0	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				%	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+					00 03	06 09	12 15	18 21
N	4.4	3.4	.4	.0	.0	8.2	7.3	3.2	6.8	11.3	10.4		
NE	5.0	6.1	.7	.0	.0	11.8	8.4	3.9	9.3	18.2	14.6		
E	6.0	3.8	.2	.0	.0	10.0	6.5	5.1	6.7	11.5	14.9		
SE	5.3	2.7	.1	.0	.0	8.0	6.2	8.5	7.3	5.9	9.9		
S	6.5	3.6	.1	.0	.0	10.2	6.1	16.1	10.0	5.2	9.9		
SW	7.5	4.0	.0	.0	.0	11.6	6.0	22.6	10.2	7.0	8.2		
W	11.0	5.4	.1	.0	.0	16.5	5.9	26.4	17.4	13.7	10.9		
NW	5.7	3.0	.1	.0	.0	8.6	6.2	6.5	9.5	11.6	8.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	14.8					14.8	.0	8.2	22.8	15.6	13.2		
TOT OBS	5405	2602	136	10	0	8153	5.6	1907	1736	1986	2524		
TOT PCT	66.3	31.9	1.7	.1	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1950-1979
(OVERALL) 1961-1979

MARCH

AREA C11 PUNTA BUJICA
7.6N 83.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
0000Z	8.9	17.3	64.1	9.3	.4	.0	.0	5.9	100.0
0400Z	22.4	15.7	52.7	8.5	.2	.0	.0	5.0	100.0
1201Z	15.6	17.1	55.3	11.4	.4	.0	.0	5.8	100.0
1802Z	13.2	20.2	56.9	9.4	.2	.0	.0	5.5	100.0
TOT	1209	1453	4673	793	25	0	0	5.6	8153
PCT	14.8	17.8	57.3	9.7	.3	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-9	TOTAL OBSCD	TOTAL OBS	NFMH COVER
N	4.1	1.7	1.5	.4		2.9	
NE	6.1	2.6	2.3	.8		2.9	
E	4.0	2.1	2.9	1.2		3.4	
SE	2.0	1.6	2.7	1.1		4.4	
S	3.0	2.3	3.2	1.6		4.3	
SW	3.5	2.8	4.4	1.5		4.3	
W	5.8	4.1	5.0	2.0		3.9	
NW	3.3	2.6	2.3	.9		3.7	
VAD	.0	.0	.0	.0		.0	
CALM	6.3	3.1	3.6	1.3		3.4	
TOT OBS	2145	1289	1575	632	5641		
TOT PCT	18.0	22.9	27.9	11.2	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) >4/8
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9 OBSCD	TOTAL OBS	NFMH COVER	CEILING HEIGHTS (FT, NM)											TOTAL OBS
							000 149	150 299	100 599	400 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+ 9999	NM <5/8 ANY HGT	
N	4.1	1.7	1.5	.4		2.9		.0	.0	.1	.2	.4	.1	.1	.0	.0	.1	7.0
NE	6.1	2.6	2.3	.8		2.9		.0	.0	.2	.5	.3	.1	.1	.0	.0	.1	10.5
E	4.0	2.1	2.9	1.2		3.4		.0	.0	.4	.6	.4	.2	.1	.0	.0	.1	8.5
SE	2.0	1.6	2.7	1.1		4.4		.0	.0	.1	.4	.8	.4	.1	.0	.0	.1	5.4
S	3.0	2.3	3.2	1.6		4.3		.0	.0	.0	.7	1.2	.5	.1	.0	.0	.1	7.9
SW	3.5	2.8	4.4	1.5		4.3		.0	.0	.0	.7	1.2	.5	.1	.0	.0	.1	9.5
W	5.8	4.1	5.0	2.0		3.9		.1	.0	.1	.5	1.3	.6	.1	.1	.0	.1	13.6
NW	3.3	2.6	2.3	.9		3.7		.0	.0	.1	.3	.7	.3	.1	.0	.0	.1	7.5
VAD	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.3	3.1	3.6	1.3		3.4		.1	.0	.0	.4	1.0	.4	.2	.1	.0	.1	12.0
TOT OBS	2145	1289	1575	632	5641			17	9	24	202	415	194	65	24	42	4600	5641
TOT PCT	18.0	22.9	27.9	11.2	100.0			.3	.2	.4	3.6	7.4	3.4	1.5	.5	.4	.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM) >4/8 AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >1.7	≥ OR >1.0	≥ OR >0.5	≥ OR >0.2
				≥ OR >1	≥ OR >0.5	≥ OR >0.2	≥ OR >0.1				
≥ OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ OR >5000	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ OR >3500	2.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
≥ OR >2000	5.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
≥ OR >1000	11.3	13.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
≥ OR >600	14.0	17.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥ OR >300	14.3	17.3	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
≥ OR >150	14.4	17.5	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
≥ OR >0	14.5	17.7	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
TOTAL	867	1055	1091	1091	1091	1091	1091	1091	1091	1091	1091

TOTAL NUMBER OF OBS: 5940

PCT FREQ NM <5/8: 81.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
22.1	19.2	17.7	13.4	9.0	5.2	5.3	3.6	4.4	.1	6306

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1961-1979

MARCH

AREA C011 PUNTA BURICA
7.64 83.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WSEY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7462
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

WSEY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS													7463
TOT PCT													100.0

MARCH

PERIOD: (PPHARY) 1950-1979
(OVER-ALL) 1861-1979

AREA 0001 PUNTA BUNICA
7.6N 83.0 W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4499	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.2	.1	.3	3.3	6.3	3.0	1.6	.4	.4	.4	16.4	82.6	1542
06009	.4	.1	.3	2.3	6.1	3.1	.9	.3	.4	.4	14.4	85.6	1294
12015	.4	.3	.6	4.5	6.3	3.4	1.6	.3	.3	.4	20.2	74.6	1595
18021	.1	.1	.4	3.7	6.8	3.5	1.3	.4	.5	1.1	18.4	81.6	1789
TOT PCT	17 .3	10 .2	27 .4	218 3.5	424 6.9	205 3.3	48 1.4	29 .5	24 .4	44 .7	1091 17.5	5124 82.5	6220 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.0	.4	.9	6.3	90.3	1836
06009	.1	.1	.2	1.1	11.9	86.6	1709
12015	.1	.1	.4	1.4	11.7	86.3	1926
18021	.1	.1	.5	.9	9.9	88.6	2350
TOT	7	6	31	84	813	6880	7821
PCT	.1	.1	.4	1.1	10.4	88.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.3	.8	4.5	12.9	82.7	1493
06009	.4	.8	4.1	11.6	84.3	1231
12015	.5	1.5	7.0	14.6	78.4	1520
18021	.1	.7	5.1	14.5	80.5	1716
TOT	18	57	310	805	4845	5960
PCT	.3	1.0	5.2	13.5	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
90/94	.0	.0	.0	.4	1.1	.4	.1	.1	136	2.2
85/89	.0	.0	.1	.8	6.5	10.2	2.3	.5	1238	20.4
80/84	.0	.0	.0	.9	9.3	29.8	24.9	.4	4222	69.4
75/79	.0	.0	.0	.0	.2	1.6	1.5	2.4	470	7.7
70/74	.0	.0	.0	.0	.0	.0	.0	.2	11	.2
TOTAL	0	0	12	129	1041	2554	1866	472	6080	100.0
PCT	.0	.0	.2	2.1	17.1	42.1	30.7	7.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.2	.4	.2	.2	.2	.4	.2	.0	.4
85/89	1.8	2.4	2.5	1.6	1.7	2.2	3.5	1.6	.0	2.9
80/84	5.0	4.2	6.7	5.1	7.5	8.6	11.9	6.2	.0	10.2
75/79	1.1	1.4	.8	.4	.7	.4	.8	.5	.0	1.0
70/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/60	12.4	10.1	7.5	10.0	11.7	16.7	3.6	.0	14.6	

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	93	89	66	83	79	77	68	83.0	1994
06009	93	86	85	82	78	76	71	81.8	1684
12015	97	86	84	81	78	75	70	81.3	2059
18021	92	90	84	79	77	76	67	84.6	2622
TOT	97	90	86	82	79	76	67	82.8	8559

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.1	14.7	47.5	31.9	4.8	77	1588		
06009	.0	.7	8.9	39.0	40.7	10.6	80	1378		
12015	.0	.7	9.0	38.0	40.2	12.1	80	1614		
18021	.0	3.6	31.9	47.5	15.2	4.6	72	1875		
TOT	0	148	1100	7703	2001	503	77	6455		

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1961-1979

MARCH

AREA 0011 PUNTA BURICA
7.6N 83.0 W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 69	69 72	73 76	77 80	81 84	85 88	85 92	92	101	h FOG	h0 FOG
17/19	.0	.3	.0	.0	.0	.0	.0	.0	5	.0	.1
14/16	.0	.0	.0	.0	.1	.0	.0	.0	12	.0	.2
11/13	.0	.0	.0	.0	.2	.2	.1	.1	39	.0	.6
9/10	.0	.0	.0	.1	.2	.2	.2	.1	45	.0	.7
7/8	.0	.0	.0	.1	.4	.7	.5	.0	118	.0	1.7
6	.0	.0	.0	.1	.4	.6	.5	.0	106	.0	1.6
5	.0	.0	.0	.2	.9	.8	.5	.0	159	.0	2.3
4	.0	.0	.0	.4	1.3	1.8	.4	.0	280	.0	4.1
3	.0	.0	.0	.3	1.5	1.8	.4	.0	270	.1	3.9
2	.0	.0	.0	.6	2.9	3.0	.3	.0	464	.1	6.7
1	.0	.0	.0	.7	3.0	2.4	.1	.0	475	.1	6.9
0	.0	.0	.1	1.4	8.4	3.4	.1	.0	901	.1	13.2
-1	.0	.0	.0	1.3	9.3	2.1	.0	.0	864	.1	12.7
-2	.0	.0	.1	2.1	12.4	1.2	.0	.0	1044	.0	15.4
-3	.0	.0	.0	2.0	7.3	.5	.0	.0	469	.0	9.9
-4	.0	.0	.0	2.6	6.0	.1	.0	.0	592	.0	8.7
-5	.0	.0	.0	1.6	3.1	.2	.0	.0	337	.0	5.0
-6	.0	.0	.1	1.2	1.2	.0	.0	.0	177	.0	2.6
-7/-8	.0	.0	.1	.9	.9	.0	.0	.0	121	.0	1.9
-9/-10	.0	.0	.1	.1	.2	.0	.0	.0	30	.0	.4
-11/-12	.0	.0	.0	.2	.1	.0	.0	.0	20	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	8	.0	.1
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	5	6	66	1078	4092	1288	217	19	6771	44	6727
PCT	.1	.1	1.0	15.9	60.4	19.0	3.2	.3	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	.0	.0	.0	.0	.0	.0	2.6	1-2	.0	.0	.0	.0	.0	.0	2.5
3-4	.0	.0	.0	.0	.0	.0	3.5	3-4	.0	.0	.0	.0	.0	.0	3.6
5-6	.0	.0	.0	.0	.0	.0	1.9	5-6	.0	.0	.0	.0	.0	.0	4.0
7	.0	.0	.0	.0	.0	.0	.2	7	.0	.0	.0	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.3	8-9	.0	.0	.0	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.1	10-11	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	5.2	1.7	.2	.0	.0	8.6	TOT PCT	1.5	7.3	4.4	.3	.0	.0	15.4

PERIOD: (OVER-ALL) 1963-1979

MARCH

AREA C011 PUNTA BLANCA
7.6N 83.0W

TABLE 14 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.7	1.8	.9	.0	.0	.0	2.6	1.5	2.4	.1	.0	.0	.0	4.0
1-2	.6	4.4	.9	.0	.0	.0	5.9	.8	5.8	.6	.0	.0	.0	7.2
3-4	.1	1.2	.5	.0	.0	.0	1.7	.1	.7	.7	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	7.4	.9	.0	.0	.0	9.9	2.4	9.1	1.5	.0	.0	.0	13.0

W								N								TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
C1	1.5	3.5	.0	.0	.0	.0	5.1	1.1	1.5	.0	.0	.0	.0	2.4		
1-2	1.4	6.5	.5	.0	.0	.0	8.4	.8	4.7	.5	.0	.0	.0	6.0		
3-4	.1	2.1	.1	.0	.0	.0	2.5	.1	1.1	.1	.0	.0	.0	1.5		
5-6	.0	.2	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1		
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	3.0	12.3	.9	.0	.0	.0	16.2	2.0	7.1	1.0	.1	.0	.0	10.1	46.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
C1	22.6	15.4	.2	.0	.0	.0	38.2	
1-2	6.8	33.0	4.0	.0	.0	.0	43.8	
3-4	.5	8.8	5.5	.2	.0	.0	15.1	
5-6	.1	.5	1.2	.2	.0	.0	2.0	
7	.0	.1	.5	.0	.0	.0	.7	
8-9	.0	.0	.1	.1	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	30.2	57.7	11.5	.5	.0	.0	100.0	1723

PERIOD: (OVER-ALL) 1949-1979

TABLE 15

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	C1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49-50	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	12.3	24.5	12.6	2.2	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2631	2
8-9	.3	3.6	4.3	2.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	556	3
10-11	.1	1.3	2.4	1.3	.7	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	303	4
12-13	.0	1.5	1.9	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	239	4
14-15	.0	.0	1.2	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	106	5
16-17	.0	.0	.0	.6	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	6
18-19	17.6	2.4	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1155	1
TOTAL	1521	1689	1218	411	136	30	30	8	2	3	0	0	0	0	0	0	0	0	0	5031	2
PCT	30.2	33.2	24.2	8.2	2.7	.6	.6	.7	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1862-1979

APRIL

APLA CO'S PUNTA BURCA
7.6% 83.0%

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHAR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PAST HR	SHORE WAZE	SPRAY BLDG DUST	NO SIG	SEA
N	2.8	.8	.0	.0	.0	.0	.0	5.7	4.1	3.1	.1	.0	3.3	.3	85.7	
NE	1.7	1.1	.6	.0	.0	.0	.0	3.4	2.8	3.1	.9	.0	2.3	.0	87.9	
E	2.1	.6	.8	.0	.0	.0	.0	3.6	2.9	2.6	.5	.0	3.5	.0	87.1	
SE	2.0	2.3	.6	.0	.0	.0	.0	4.4	3.7	4.2	.7	.0	2.0	.0	84.8	
S	1.8	2.4	.7	.0	.0	.0	.0	4.7	4.1	4.6	.2	.0	2.8	.0	83.9	
SW	2.0	2.2	.9	.0	.0	.0	.0	5.2	2.5	3.1	.3	.0	1.6	.0	85.7	
W	2.3	1.4	.4	.0	.0	.0	.0	4.1	2.4	4.0	.6	.0	2.1	.1	86.7	
NW	2.2	1.7	.6	.0	.0	.0	.0	4.5	4.4	7.2	.2	.0	1.3	.0	82.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	1.5	1.0	.0	.0	.0	.0	3.1	3.0	3.4	.6	.0	4.2	.0	83.6	
TOT PCT	1.9	1.7	.7	.0	.0	.1	.0	4.2	3.2	4.4	.5	.0	2.5	.0	85.5	
TOT OBS:	7678															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIR	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG NO PCPN	FOG NO PAST HR	SPOKE HAZE	SPRAY BLDG DUST	NO SIG	SEA
0000-3	1.2	.7	.4	.0	.0	.0	.0	2.3	1.5	2.5	.3	.0	2.8	.0	90.7	
0600-9	2.0	1.7	.4	.0	.0	.0	.0	4.1	2.8	12.1	.9	.0	2.7	.1	77.9	
1200-15	2.7	2.5	1.2	.0	.0	.0	.0	6.4	5.5	4.8	.5	.0	2.2	.0	81.0	
1800-21	4.1	3.6	.5	.0	.0	.0	.0	4.5	2.9	.6	.6	.0	2.5	.0	89.2	
TOT PCT	2.0	1.7	.7	.0	.0	.0	.0	4.2	3.2	4.6	.6	.0	2.5	.0	85.1	
TOT OBS:	7634															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	1.6	3.2	.6	.0	.0	.0		5.5	6.2	1.4	3.0	4.6	3.1	4.8	5.1	6.2	3.6	
NE	1.4	5.1	1.1	.0	.0	.0		7.6	7.1	2.2	6.0	6.7	4.5	12.0	8.2	9.6	9.4	
E	1.8	5.8	.7	.0	.0	.0		8.3	6.3	4.3	1.6	5.9	5.2	10.5	12.0	11.7	7.2	
SE	2.2	6.8	.9	.0	.0	.0		9.9	6.2	8.0	7.4	7.8	9.8	8.4	9.5	14.0	14.4	
S	1.2	10.1	1.3	.0	.0	.0		14.6	6.1	21.8	11.8	17.7	13.0	6.6	9.1	14.4	19.0	
SW	3.0	11.4	1.4	.0	.0	.0		15.9	6.3	27.9	21.2	15.2	14.9	4.2	11.1	12.0	14.0	
W	3.4	12.4	1.5	.0	.0	.0		17.3	6.4	22.3	3.3	19.6	19.1	15.3	16.3	12.6	14.7	
NW	1.6	5.6	.7	.0	.0	.0		7.9	6.3	.0	4.9	8.5	10.7	12.1	13.9	6.9	5.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.0							13.0	.0	7.3	7.7	13.4	19.0	14.1	15.8	12.5	10.9	
TOT OBS	2528	4899	674	.0	.0	.0	8105		5.5	1845	91	1559	205	1783	196	2179	247	
TOT PCT	31.2	60.4	8.3	.0	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+					00-05	06-11	12-17	18-23	
N	3.4	2.0	.1	.0	.0		5.5	6.2	2.0	4.5	9.3	6.0		
NE	4.2	3.3	.2	.0	.0		7.6	7.1	2.5	8.0	11.6	9.7		
E	5.1	5.1	.1	.0	.0		8.3	6.3	4.2	5.9	10.6	11.5		
SE	6.2	3.7	.0	.0	.0		9.9	6.2	8.0	8.1	8.4	14.1		
S	9.5	5.0	.1	.0	.0		14.6	6.1	17.3	13.7	8.6	14.8		
SW	9.8	5.9	.2	.0	.0		15.9	6.3	27.6	15.1	9.4	12.3		
W	10.6	6.5	.1	.0	.0		17.3	6.4	22.6	19.5	15.4	12.0		
NW	5.1	2.7	.1	.0	.0		7.9	6.3	4.2	8.8	12.3	6.7		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	13.0						13.0	.0	7.3	7.7	13.4	19.0	14.1	
TOT OBS	5417	2612	76	.0	.0	8105		5.5	1936	1764	1979	2426	24.2	
TOT PCT	66.8	32.2	.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1862-1979AREA 7011 PUNTA BURICA
7.64 83.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)										
HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ
				11-21	22-33	34-47	48+			
0000	7.3	16.1	67.0	9.6	.0	.0	.0	.0	6.1	100.0
0600	18.5	16.6	76.7	8.2	.1	.0	.0	.0	5.2	100.0
1200	14.3	20.2	56.4	9.0	.1	.0	.0	.0	5.4	100.0
1800	12.3	19.6	51.2	6.8	.0	.0	.0	.0	5.3	100.0
TOT	1050	1478	4899	674	.1	.0	.0	.0	5.5	6105
PCT	13.0	18.2	60.4	9.3	.0	.0	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD	MEAN CLOUD COVER
N	1.7	1.1	1.8	.6	4.2	
NE	2.5	1.4	2.5	1.0	4.1	
E	2.3	1.8	2.9	1.4	4.5	
SE	1.9	2.0	4.2	1.9	5.0	
S	2.1	3.3	6.9	2.9	5.2	
SW	2.6	3.2	6.5	3.7	5.3	
W	3.9	3.4	7.0	2.9	4.4	
NW	1.6	1.9	2.8	1.5	4.8	
VAR	.0	.0	.0	.0	.0	
CALM	3.6	3.5	4.1	1.7	4.2	
TOT OBS	1251	1219	2166	1006	5642	
TOT PCT	22.2	21.6	38.4	17.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. NH > 4/8)
AND OCCURRENCE OF NH < 5/8 BY WIND DIRECTION

000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300	6400	6500	6600	6700	6800	6900	7000	7100	7200	7300	7400	7500	7600	7700	7800	7900	8000	8100	8200	8300	8400	8500	8600	8700	8800	8900	9000	9100	9200	9300	9400	9500	9600	9700	9800	9900	10000	TOTAL																																																																																																																																																														
1.9	2.9	5.9	9.9	19.9	39.9	79.9	159.9	319.9	639.9	1279.9	2559.9	5119.9	10239.9	20479.9	40959.9	81919.9	163839.9	327679.9	655359.9	1310719.9	2621439.9	5242879.9	10485759.9	20971519.9	41943039.9	83886079.9	167772159.9	335544319.9	671088639.9	1342177279.9	2684354559.9	5368709119.9	10737418239.9	21474836479.9	42949672959.9	85899345919.9	171798691839.9	343597383679.9	687194767359.9	1374389534719.9	2748779069439.9	5497558138879.9	10995116277759.9	21990232555519.9	43980465111039.9	87960930222079.9	175921860444159.9	351843720888319.9	703687441776639.9	1407374883553279.9	2814749767106559.9	5629499534213119.9	11258999068426239.9	22517998136852479.9	45035996273704959.9	90071992547409919.9	180143985094819839.9	360287970189639679.9	720575940379279359.9	1441151880758558719.9	2882303761517117439.9	5764607523034234879.9	11529215046068469759.9	23058430092136939519.9	46116860184273879039.9	92233720368547758079.9	184467440737095516159.9	368934881474191032319.9	737869762948382064639.9	1475739525896764129279.9	2951479051793528258559.9	5902958103587056517119.9	11805916207174113034239.9	23611832414348226068479.9	47223664828696452136959.9	94447329657392904273919.9	188894659314785808547839.9	377789318629571617095679.9	755578637259143234191359.9	1511157274518286468382719.9	3022314549036572936765439.9	6044629098073145873530879.9	12089258196146291747061759.9	24178516392292583494123519.9	48357032784585166988247039.9	96714065569170333976494079.9	193428131138340667952988159.9	386856262276681335905976319.9	773712524553362671811952639.9	1547425049106725343623905279.9	3094850098213450687247810559.9	6189700196426901374495621119.9	12379400392853802748991242239.9	24758800785707605497982484479.9	49517601571415210995964968959.9	99035203142830421991929937919.9	198070406285660843983859875839.9	396140812571321687967719751679.9	792281625142643375935439503359.9	1584563250285286751870879006719.9	3169126500570573503741758013439.9	6338253001141147007483516026879.9	12676506002282294014967032053759.9	25353012004564588029934064107519.9	50706024009129176059868128215039.9	101412048018258352119736256430079.9	202824096036516704239472512860159.9	405648192073033408478945025720319.9	811296384146066816957890051440639.9	1622592768292133633915780102881279.9	3245185536584267267831560205762559.9	6490371073168534535663120411525119.9	12980742146337069071326240823050239.9	25961484292674138142652481646100479.9	51922968585348276285304963292200959.9	103845937170696552570609926584401919.9	207691874341393105141219853168803839.9	415383748682786210282439706337607679.9	830767497365572420564879412675215359.9	1661534994731144841129758825350430719.9	3323069989462289682259517650700861439.9	6646139978924579364519035301401722879.9	1329227995784915872903807060280344559.9	2658455991569831745807614120560689119.9	5316911983139663491615228241121378239.9	10633823966279326983230456482242756479.9	21267647932558653966460912964485512959.9	42535295865117307932921825928971025919.9	85070591730234615865843651857942051839.9	170141183460469231731687303715884103679.9	340282366920938463463374607431768207359.9	680564733841876926926749214863536414719.9	1361129467683753853853498429727072829439.9	2722258935367507707706996859454145658879.9	5444517870735015415413993718908291317759.9	10889035741470030830827987437816582635519.9	21778071482940061661655974875633165271039.9	43556142965880123323311949751266330542079.9	87112285931760246646623899502532661084159.9	174224571863520493293247799005065322168319.9	348449143727040986586495598010130644336639.9	696898287454081973172991196020261288673279.9	1393796574908163946345982392040522577346559.9	2787593149816327892691964784081045154693119.9	5575186299632655785383929568162090309386239.9	11150372599265311570767859136324180618772479.9	22300745198530623141535718272648361237544879.9	4460149039706124628307143654529672247508979.9	8920298079412249256614287309059344495017959.9	17840596158824498513228574618118688990035919.9	35681192317648997026457149236237377980071839.9	7136238463529799405291429847247475596014359.9	14272476927059598810582859694494951192028719.9	28544953854119197621165719388989902244057439.9	57089907708238395242331438777979804488114879.9	114179815416476790484662877555959608976229759.9	228359630832953580969325755111919217952459519.9	456719261665907161938651510223838435904919039.9	913438523331814323877303020447676871809838079.9	1826877046663628647754606040895353743619676159.9	3653754093327257295509212081790707487239352319.9	7307508186654514591018424163581414974478704639.9	14615016373309029182036848327162829948957409279.9	29230032746618058364073696654325659897914818559.9	58460065493236116728147393308651319795829637119.9	116920130986472233456294786617302639591659274239.9	233840261972944466912589573234605279183318548479.9	467680523945888933825179146469210558366637096959.9	935361047891777867650358292938421116733274193919.9	1870722095783555735300716585876842233466548387839.9	3741444191567111470601433171753684466933096775679.9	7482888383134222941202866343507368933866193551359.9	14965776766268445882405732687014737867732371102719.9	29931553532536891764811465374029475735464742205439.9	59863107065073783529622930748058951470929484410879.9	119726214130147567059245861496117902941858968821759.9	23945242826029513411849172299223580588371793764359.9	47890485652059026823698344598447161176743587528719.9	95780971304118053647396689196894322353487175057439.9	191561942608236107294793378393788644706974350114879.9	383123885216472214589586756787577289413948700229759.9	766247770432944429179173513575154578827897400459519.9	1532495540865888858358347027150309157655794800919039.9	3064991081731777716716694054300618315311589601838079.9	6129982163463555433433388108601236630623179203676159.9	12259964326927110866866776217202473261246358407352319.9	2451992865385422173373355243440494652249271681474639.9	4903985730770844346746710486880989304498543362949279.9	980797146154168869349342097376197860899708672589859.9	1961594292308337738698684194752395721799417345179719.9	3923188584616675477397368389504791443598834690359439.9	7846377169233350954794736779009582887197669380718879.9	15692754338466701909589473558019165774395338761437759.9	31385508676933403819178947116038331548790677522875519.9	62771017353866807638357894232076663097581355045751039.9	125542034707733615276715788464153326195162710091502079.9	251084069415467230553431576928306652390325420183004159.9	502168138830934461106863153856613304780650840366008319.9	1004336277661868922213726307713226609561301680732016639.9	2008672555323737844427452615426453219122603361464033279.9	4017345110647475688854905230852906438245206722928066559.9	8034690221294951377709810461705812876490413445856133119.9	16069380442589902755419620923411625752980826891712266239.9	32138760885179805510839241846823251505961653783424532479.9	64277521770359611021678483693646503011923307566849064959.9	128555043540719222043356967387293006023846615133698129919.9	257110087081438444086713934774586012047693230267396259839.9	514220174162876888173427869549172024095386460534792519759.9	1028440348325753776346855739098344048190772921069545139519.9	2056880696651507552693711478196688096381545842139090279039.9	4113761393303015105387422956393376192763091684278180558079.9	8227522786606030210774845912786752385526183368556361116159.9	16455045573212060421549691825573504771052366737112722312319.9	32910091146424120843099383651147009542104733474224424624639.9	65820182292848241686198767302294019084209466948448849249279.9	131640364585696483372397534604588038168418933896897698498559.9	263280729171392966744795069209176076336837867793795397097119.9	526561458342785933489590138418352152673675735587590794154319.9	1053122916685571866979180276836704305347351471175181188687319.9	2106245833371143733958360553673408610694702942350362377374639.9	4212491666742287467916721107346817221389405884700724754749279.9	8424983333484574935833442214693634442778811769401449509498559.9	16849966666969149871666884429387268885557623538802899019097119.9	33699933333938299743333768858774537771115247077605798038194239.9	67399866667876599486667537717549075542230494155211596076388479.9	134799733335753198973335075435098151084460988310423132152776959.9	269599466671506397946670150870196302168921976620846264305553919.9	539198933343012795893340301740392604337843953241692528611107939.9	1078397866686025591786680603480785208675687906483385057222214779.9	2156795733372051183573361206961570417351375812966770114444429559.9	431359146674410236714672241392314083470275162593354402888895919.9	862718293348820473429344482784628166940550325186708805777791839.9	1725436586697640946858688965569256333881100650373417611555583759.9	3450873173395281893717377931138512667762201300746835223111167519.9	6901746346790563787434755862277025335524402601493670446222335039.9	13803492693581127574869511724554050671048805202987340892444670079.9	27606985387162255149739023449108101342097610405974681784889340159.9	55213970774324510299478046898216202684195220811949363569778680319.9	110427941548649020598956093796432405368390441623898727139557360639.9	220855883097298041197912187592864810736780883247797454279114721279.9	441711766194596082395824375185729621473561766495594908558229442559.9	883423532389192164791648750371459242947123532991189817116458885119.9	176684706477838432958329750074291848589424706598237963423291777039.9	353369412955676865916659500148583697178849413196475926846583554079.9	706738825911353731833319000297167394357698826392951853693167108159.9	1413477651822707463666638000594334788715397652785903707386334216319.9	2826955303645414927333276001188669577430795305571807414772668432639.9	5653910607290829854666552002377339154861590611143614829545336865279.9	11307821214581659709333104004754678309723181222287229699090673730559.9	22615642429163319418666208009509356619446362444574459398181347461119.9	45231284858326638837332416019018713238892724889148918796362694922239.9	90462569716653277674664832038037426477785449778297837592725389844479.9	180925139433306555349329664076074852955570899556595675185450779688959.9	361850278866613110698659328152149705911141799113191350370901559377919.9	723700557733226221397318656304299411822283598226382700741803118755839.9	1447401115466452442794637312608598823644567196452765401484006237511679.9	2894802230932904885589274625217197647289134392905530802968012475023359.9	5789604461865809771178549250434395294578268785811061605936024950046719.9	1157920892373161954235709850086879058915653757162212321187204990

PLP100: (PRIMARY) 1950-1976
(OVER-ALL) 1862-1979

APRIL

AREA 0011 PUNTA BURICA
7.0M 83.0M

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3
2<5	PCP	.0	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.5
	NO PCP	.0	.0	.1	.1	.1	.1	.2	.0	.0	.0	.0	.6
	TOT %	.0	.1	.1	.1	.2	.2	.3	.1	.0	.1	.1	1.1
5<10	PCP	.2	.1	.1	.3	.1	.3	.1	.1	.0	.1	1.5	
	NO PCP	.7	.7	.8	1.1	1.7	1.3	1.4	.8	.0	1.2	9.8	
	TOT %	.8	.7	1.0	1.4	2.0	1.6	1.5	.9	.0	1.3	11.2	
10+	PCP	.1	.1	.1	.2	.3	.4	.4	.2	.0	.3	2.0	
	NO PCP	4.6	6.6	7.2	8.2	12.3	13.8	15.0	6.7	.0	10.7	85.2	
	TOT %	4.7	6.7	7.3	8.4	12.6	14.2	15.3	6.9	.0	11.0	87.1	
TOT OBS													7070
TOT PCT		5.5	7.6	8.4	9.9	14.9	16.1	17.3	8.0	.0	12.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1<2	0-3	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.2	
	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.4	
2<5	0-3	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.4	
	4-10	.0	.0	.1	.1	.1	.2	.2	.1	.0	.0	.8	
	11-21	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.2	.2	.3	.3	.3	.1	.0	.1	1.6	
5<10	0-3	.2	.2	.2	.2	.4	.3	.3	.2	.0	1.4	3.4	
	4-10	.4	.5	.6	1.0	1.3	1.1	1.0	.6	.0		6.6	
	11-21	.1	.1	.1	.2	.3	.2	.2	.2	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.8	1.0	1.4	2.0	1.6	1.5	.9	.0	1.4	11.4	
10+	0-3	1.5	1.2	1.5	1.8	2.6	2.6	2.8	1.4	.0	11.2	26.4	
	4-10	2.7	4.4	5.1	5.8	8.7	10.3	11.1	4.9	.0		53.1	
	11-21	.5	1.0	.6	.8	.9	1.2	1.2	.5	.0		6.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.7	6.6	7.1	8.4	12.3	14.1	15.2	6.8	.0	11.2	86.3	
TOT OBS													7414
TOT PCT		5.5	7.5	8.3	10.0	14.7	16.1	17.2	7.9	.0	12.8	100.0	

APPIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1867-1979

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.4	.3	.6	5.0	9.1	3.4	2.9	.8	.6	1.0	23.6	76.2	1578
06009	.7	.2	.9	5.4	10.6	3.9	1.9	.6	.2	.3	24.7	75.3	1269
12015	.3	.5	2.5	8.0	11.0	4.1	2.0	.5	.3	.3	29.6	70.4	1569
18021	.4	.2	2.1	6.7	9.9	4.0	2.5	.7	.5	.8	27.8	72.2	1786
TOT	27	18	96	393	625	236	147	39	23	39	1645	4537	6182
PCT	.4	.3	1.6	6.4	10.1	3.8	2.4	.6	.4	.6	26.6	73.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.1	.3	1.4	9.5	88.8	1871
06009	.2	.1	.4	1.6	14.5	83.1	1712
12015	.3	.1	.7	1.7	12.1	85.1	1919
18021	.3	.1	.4	1.7	10.4	87.2	2273
TOT	16	8	33	125	894	6699	7775
PCT	.2	.1	.4	1.6	11.5	86.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.4	1.2	7.0	18.0	75.0	1519
06009	.8	2.2	5.0	17.9	73.1	1198
12015	.3	3.6	12.3	18.6	69.2	1514
18021	.4	2.6	10.7	18.7	70.6	1688
TOT	27	145	581	1085	4253	5719
PCT	.5	2.4	9.8	18.3	71.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.0	.0	.0	.0	9	.1
90/94	.0	.0	.0	.2	1.3	.5	.1	.0	135	2.2
85/89	.0	.0	.1	.6	5.1	9.9	2.9	.5	1182	19.2
80/84	.0	.0	.0	.3	4.1	24.0	33.1	5.7	4262	69.2
75/79	.0	.0	.0	.0	.0	1.0	4.0	3.9	557	9.0
70/74	.0	.0	.0	.0	.0	.0	.0	.1	11	.2
65/69	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	7	78	655	2306	2473	658	6157	100.0
PCT	.0	.0	.1	1.3	10.6	37.5	40.2	10.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.3	.2	.3	.3	.3	.2	.2	.0	.3
85/89	1.1	1.8	1.8	2.0	2.6	2.7	3.1	1.5	.0	2.5
80/84	3.7	4.6	5.5	6.5	10.9	11.6	12.7	5.1	.0	8.7
75/79	.8	1.1	1.1	1.0	1.2	1.1	1.6	.8	.0	1.0
70/74	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	5.6	7.8	8.6	9.8	15.1	15.7	17.1	7.6	.0	12.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	88	86	83	79	77	68	82.8	1993
06009	91	86	85	82	78	77	69	81.8	1879
12015	94	86	84	81	78	75	67	81.3	2060
18021	91	92	90	84	79	77	65	84.4	2506
TOT	94	90	88	82	78	76	65	82.7	8436

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	7.7	42.6	41.2	7.8	79	1616		
06009	.0	.4	3.9	36.4	49.0	12.4	82	1403		
12015	.0	.3	5.1	29.8	48.6	16.2	82	1641		
18021	.0	3.7	22.9	42.1	24.7	6.7	75	1824		
TOT	0	87	682	2427	2600	688	79	6484		

APJIL

PERIOD: (PRIMARY) 1959-1979
(COVER-ALL) 1962-1979AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCUPENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
14/16	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	.1	27	.0	.4
9/10	.0	.0	.0	.0	.2	.2	.1	.0	35	.0	.5
7/8	.0	.0	.0	.1	.3	.5	.5	.1	109	.0	1.6
6	.0	.0	.0	.0	.2	.4	.5	.0	78	.0	1.1
5	.0	.0	.0	.0	.1	.4	.9	.0	140	.0	2.0
4	.0	.0	.0	.0	.2	.9	1.3	.0	213	.0	3.1
3	.0	.0	.0	.2	1.1	1.3	.2	.0	189	.0	2.6
2	.0	.0	.0	.3	2.9	2.5	.3	.0	403	.0	5.9
1	.0	.0	.0	.4	3.0	2.6	.0	.0	415	.1	6.0
0	.0	.0	.0	1.4	7.4	3.6	.0	.0	884	.1	12.9
-1	.0	.0	.0	1.3	9.3	2.1	.0	.0	467	.1	12.6
-2	.0	.0	.0	2.0	12.9	1.2	.0	.0	1102	.1	16.1
-3	.0	.0	.0	2.0	8.7	.7	.0	.0	776	.0	11.4
-4	.0	.0	.1	2.5	6.5	.3	.0	.0	639	.0	9.4
-5	.0	.0	.1	2.4	4.0	.1	.0	.0	449	.0	6.6
-6	.0	.0	.1	1.4	1.3	.1	.0	.0	194	.0	2.9
-7/-8	.0	.0	.2	1.5	.9	.0	.0	.0	180	.0	2.6
-9/-10	.0	.0	.1	.6	.2	.0	.0	.0	62	.0	.9
-11/-13	.0	.0	.1	.1	.1	.0	.0	.0	22	.0	.3
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
TOTAL	4	59	1145	1223	206	24	6795	100.0	46	59.4	
PCT	.1	.0	.9	16.9	60.8	18.0	3.0	.4			

PERIOD: (COVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.4	.1	.0	.0	.0	1.6	<1	.8	1.9	.0	.0	.0	.0	2.7
1-2	.2	1.4	.1	.0	.0	.0	1.7	1-2	.2	2.8	.5	.0	.0	.0	3.5
3-4	.0	.6	.2	.0	.0	.0	.8	3-4	.0	.9	.5	.0	.0	.0	1.4
5-6	.0	.2	.1	.0	.0	.0	.2	5-6	.0	.1	.2	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-49	.0	.0	.0	.0	.0	.0	.0	41-49	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.0	.5	.0	.7	.0	4.3	TOT PCT	1.0	5.6	1.4	.1	.0	.0	8.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.8	.0	.0	.0	.0	2.8	<1	1.1	2.4	.0	.0	.0	.0	3.5
1-2	.5	1.1	.3	.0	.0	.0	4.8	1-2	.8	4.7	.6	.0	.0	.0	6.1
3-4	.1	.9	.3	.0	.0	.0	1.3	3-4	.0	1.0	.3	.0	.0	.0	1.3
5-6	.0	.1	.0	.0	.0	.0	.1	5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	6.9	.6	.0	.0	.0	9.1	TOT PCT	1.9	8.2	1.0	.0	.0	.0	11.1

PERIOD: (OVER-ALL) 1963-1979

APRIL
TABLE 18 (CONT)

AREA C-11 PUNTA BURICA
7.6N 75.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.6	3.5	.0	.0	.0	.0	5.1	1.5	3.3	.0	.0	.0	.0	4.8	4.8
1-2	1.1	7.7	.5	.0	.0	.0	9.3	.5	6.1	.8	.0	.0	.0	7.4	7.4
3-4	.0	1.6	.5	.0	.0	.0	2.1	.1	2.0	.6	.0	.0	.0	2.5	2.5
5-6	.0	.2	.2	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.2	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	13.3	1.1	.0	.0	.0	17.1	2.1	11.7	1.5	.0	.0	.0	15.2	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.6	3.5	.1	.0	.0	.0	5.4	.2	1.6	.3	.0	.0	.0	2.0	2.0
1-2	.9	6.0	.3	.0	.0	.0	7.2	.3	3.1	.3	.0	.0	.0	3.7	3.7
3-4	.2	2.0	.4	.0	.0	.0	2.6	.0	.4	.1	.0	.0	.0	.5	.5
5-6	.0	.3	.0	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	11.8	.9	.0	.0	.0	15.6	.5	5.2	.9	.0	.0	.0	6.5	67.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	22.7	18.4	.5	.0	.0	.0	41.6	
1-2	5.5	34.7	3.3	.0	.0	.0	43.5	
3-4	.5	9.1	2.8	.0	.0	.0	12.4	
5-6	.0	1.0	.7	.0	.0	.0	1.7	
7	.0	.2	.0	.1	.0	.0	.3	
8-9	.0	.2	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.8	63.7	7.4	.1	.0	.0	100.0	1750

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SECS)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<4	13.1	25.2	12.3	2.4	.7	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2745	2
6-7	.2	2.8	5.2	2.3	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	584	3
8-9	.1	1.5	2.4	1.4	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	343	4
10-11	.0	1.4	1.4	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	237	4
12-13	.0	.0	1.4	.8	.3	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	139	5
13-15	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	6
EMDET	14.0	2.5	1.7	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	970	1
TOTAL	1391	1688	1241	480	162	48	21	11	7	1	1	3	0	0	0	0	0	0	0	5054	2
PCT	27.5	33.4	24.6	9.5	3.2	.9	.4	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(COVER-ALL) 1861-1979

MAY

ARLA 0011 PUNTA BURICA
7.7N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG MEA
N	4.9	3.7	2.4	.0	.0	.0	.0	11.0	4.3	4.9	.0	.0	.4	.0	80.0
NE	3.6	6.5	1.4	.0	.0	.0	.0	11.1	7.0	5.2	.0	.0	.2	.0	76.5
E	6.3	2.2	2.2	.0	.0	.0	.0	10.4	3.3	5.2	.0	.0	.0	.0	81.8
SE	5.7	4.8	1.1	.0	.0	.0	.0	11.6	5.7	6.5	.0	.0	.1	.0	76.7
S	5.4	3.1	2.1	.0	.0	.0	.1	10.7	6.9	3.7	.2	.0	.6	.0	78.2
SW	6.6	4.7	2.0	.0	.0	.0	.0	13.3	6.5	6.1	.0	.0	.3	.0	76.4
W	6.1	3.9	1.4	.0	.0	.0	.2	11.3	5.9	5.5	.1	.0	.2	.1	77.5
NW	7.2	3.1	1.7	.0	.0	.0	.2	11.9	5.7	5.8	.2	.0	.2	.0	76.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7	1.9	.9	.0	.0	.0	.1	4.6	2.5	5.1	.0	.1	.6	.0	87.3
TOT PCT	5.6	3.8	1.7	.0	.0	.0	.1	11.0	5.7	5.4	.1	.0	.3	.0	78.0
TOT OBS:	7657														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GRT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG MEA
0000Z	4.5	2.8	1.8	.0	.0	.0	.1	8.9	3.9	3.7	.1	.0	.2	.0	83.3
0600Z	6.8	2.9	1.9	.0	.0	.0	.2	11.3	4.9	16.2	.1	.0	.4	.0	86.2
1200Z	6.9	5.4	1.6	.0	.0	.0	.0	13.9	7.6	4.5	.0	.0	.2	.1	76.4
1800Z	5.0	4.0	1.4	.0	.0	.0	.1	10.5	6.2	.9	.1	.0	.5	.0	82.2
TOT PCT	5.7	3.8	1.6	.0	.0	.0	.1	11.1	5.7	5.5	.1	.0	.3	.0	77.7
TOT OBS:	7983														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GRT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.1	2.7	.3	.0	.0	.0		4.1	6.1	2.1	5.9	3.8	4.2	6.9	6.9	3.9	3.1	1.1
NE	.6	2.0	.4	.0	.0	.0		2.9	6.6	1.6	1.5	2.3	4.3	4.7	4.5	3.2	1.3	
E	1.1	2.9	.6	.0	.0	.0		4.5	6.4	3.1	3.3	4.5	3.9	6.0	4.7	4.6	3.0	
SE	1.7	5.6	.8	.0	.0	.0		8.0	6.6	5.4	9.9	9.1	8.8	7.2	5.5	10.0	8.2	
S	2.6	10.3	1.7	.1	.0	.0		14.6	7.0	17.3	14.5	12.6	15.0	10.5	14.8	15.8	22.4	
SW	3.1	15.5	3.7	.1	.0	.0		22.3	7.5	27.9	25.7	19.7	22.0	19.2	25.1	21.1	26.2	
W	3.1	17.1	4.5	.1	.0	.0		24.8	7.7	30.2	25.9	25.7	21.8	22.3	15.5	23.1	20.6	
NW	1.3	6.1	1.0	.0	.0	.0		8.4	7.0	5.3	8.1	8.1	9.3	11.3	16.3	8.0	8.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.3							10.3	.0	7.0	5.1	14.2	10.7	11.8	2.6	10.8	4.8	
TOT OBS	2167	5439	1134	26	0	0	8766		6.4	2001	136	1573	225	1941	195	2422	273	
TOT PCT	24.7	62.0	12.9	.3	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GRT)			
	0-6	7-16	17-27	28-40				00	03	06	09
N	2.7	1.4	.1	.0	.0		4.1	6.1	2.4	3.9	6.9
NE	1.8	1.1	.0	.0	.0		2.9	6.6	1.6	2.5	4.6
E	2.8	1.6	.1	.0	.0		4.5	6.4	3.2	4.4	5.9
SE	4.6	3.2	.1	.0	.0		8.0	6.6	5.7	9.1	7.1
S	7.9	6.4	.3	.0	.0		14.6	7.0	17.1	12.9	11.3
SW	10.7	11.2	.5	.0	.0		22.3	7.5	27.8	20.0	19.8
W	11.7	12.4	.6	.0	.0		24.8	7.7	29.9	25.2	21.7
NW	4.6	3.6	.2	.0	.0		8.4	7.0	5.3	8.2	11.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	10.3						10.3	.0	6.9	13.6	11.0
TOT OBS	5008	3583	172	3	8766		6.4		2137	1798	2136
TOT PCT	57.1	40.9	2.0	.0				100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1861-1979

PAY

APLA JD11 PUNTA BUNICA
7.7M 83.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	6.9	11.2	65.7	15.8	.4	.0	.0	7.1	100.0	2137
06009	13.8	12.6	61.0	12.1	.4	.0	.0	6.2	100.0	1798
12015	11.0	16.4	59.5	12.8	.3	.0	.0	6.2	100.0	2136
18021	10.2	16.5	61.9	11.3	.2	.0	.0	6.2	100.0	2695
TOT	903	1264	5439	1134	26	0	0	6.4		8766
PCT	10.3	14.4	62.0	12.9	.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 6	TOTAL	MEAN CLOUD COVER
N	.7	.7	1.4	.9	5.3	
NE	.4	.6	1.1	.7	5.4	
E	.3	.9	2.0	1.3	5.8	
SE	.6	1.4	3.9	1.9	5.8	
S	.9	1.7	6.9	4.9	6.2	
SW	1.2	2.6	10.6	8.3	6.3	
W	2.1	4.0	11.2	8.1	6.0	
NW	.6	1.3	3.7	2.2	5.8	
VAR	.0	.0	.0	.0	.0	
CALM	1.3	2.5	4.9	2.0	5.2	
TOT OBS	496	970	2813	1867	6146	5.9
TOT PCT	8.1	15.8	45.8	30.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M) > 4/8
AND OCCURRENCE OF NM < 5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM < 5/8	TOTAL
	149	299	599	999	1999	3999	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.3	.3	.5	.2	.1	.0	.0	.0	2.8	
NE	.0	.0	.1	.3	.4	.2	.0	.0	.0	.0	1.6	
E	.1	.0	.2	.6	.7	.3	.0	.0	.0	.0	2.5	
SE	.0	.1	.4	1.0	1.1	.4	.2	.0	.0	.0	4.5	
S	.2	.1	.7	2.3	2.0	.9	.3	.1	.0	.0	7.6	
SW	.3	.2	1.0	3.1	4.6	1.4	.5	.2	.1	.1	11.4	
W	.3	.2	.9	3.3	4.1	1.7	.5	.2	.1	.1	14.0	
NW	.1	.1	.2	.9	1.2	.4	.2	.1	.0	.0	4.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.4	.9	1.2	.4	.1	.0	.0	.0	7.5	
TOT OBS	71	50	256	784	972	368	119	47	24	15	3444	6146
TOT PCT	1.2	.8	4.2	12.8	15.8	6.0	1.9	.7	.4	.2	56.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM > 4/8) AND VISBY (NM)

CEILING (FEET)	= OR > 10	= OR > 5	= OR > 2	VSBY (NM)	= OR > 1	= OR > 1/2	= OR > 1/4	= OR > 50YD	= OR > 0
= OR > 6500	.6	.7	.7	.7	.7	.7	.7	.7	.7
= OR > 5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR > 3500	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR > 2000	7.8	9.1	9.3	9.3	9.3	9.3	9.3	9.3	9.3
= OR > 1000	20.9	24.3	24.8	24.8	24.8	24.8	24.8	24.8	24.8
= OR > 600	30.5	36.5	37.3	37.3	37.3	37.3	37.3	37.3	37.3
= OR > 300	32.6	39.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2
= OR > 150	32.9	40.6	41.8	42.1	42.3	42.4	42.5	42.5	42.5
= OR > 0	33.4	41.4	42.8	43.3	43.5	43.6	43.7	43.7	43.7
TOTAL	2126	2632	2726	2752	2768	2772	2776	2781	

TOTAL NUMBER OF OBS: 6362

PCT FREQ NM < 5/8: 56.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.4	7.4	15.2	16.3	14.2	11.0	11.2	8.2	13.5	.6	6735

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1961-1979

MAY

AREA 0011 PUNTA BURICA
7.7N 83.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION, WITH VARYING VALUES OF VISIBILITY

VSBT (NM)		N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	.1	0	.0	.0	0	.2	
	NO PCP	.5	0	.0	0	0	.0	0	0	.0	.0	.1	
	TOT 1	.5	0	0	0	0	.1	0	0	.0	0	.3	
1/2<1	PCP	0	0	.0	0	.1	0	0	.1	.0	.0	.2	
	NO PCP	0	0	.0	.0	0	.0	.0	.0	.0	.0	0	
	TOT 1	0	0	.0	0	.1	0	0	.1	.0	.0	.2	
1<2	PCP	0	.0	0	0	.1	.1	.1	0	.0	.0	.4	
	NO PCP	0	0	.0	.0	0	0	0	0	.0	0	.1	
	TOT 1	0	0	0	0	.1	.1	.2	0	.0	0	.5	
2<5	PCP	.1	0	.1	.1	.1	.3	.3	.2	.0	.1	1.2	
	NO PCP	0	0	0	0	.1	.2	.2	.1	.0	0	.7	
	TOT 1	.1	.1	.1	.1	.2	.5	.5	.3	.0	.1	1.9	
5<10	PCP	.2	.2	.2	.5	.6	1.3	1.0	.4	.0	.2	4.6	
	NO PCP	.5	.3	.3	.6	1.2	2.1	2.4	.8	.0	.5	8.7	
	TOT 1	.7	.5	.5	1.1	1.8	3.4	3.4	1.2	.0	.7	13.3	
10+	PCP	.2	.1	.2	.2	.6	1.2	1.2	.3	.0	.2	4.2	
	NO PCP	3.7	2.2	3.7	6.4	11.5	17.3	19.5	6.4	.0	7.3	79.5	
	TOT 1	3.9	2.3	3.9	6.6	12.1	18.5	20.7	6.7	.0	7.5	83.7	
TOT OBS													7616
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBT (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAP	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	0	0	0	.0	.0	.0	0	.1	
	4-10	0	.0	.0	0	0	0	0	0	.0	0	.2	
	11-21	.0	0	0	.0	.0	0	0	.0	.0	0	0	
	22+	.0	0	.0	0	.0	.0	.0	.0	.0	0	0	
	TOT 1	0	0	0	0	0	.1	0	0	.0	0	.3	
1/2<1	0-3	0	0	.0	.0	0	.0	.0	.0	.0	.0	0	
	4-10	0	0	.0	.0	0	0	0	0	.0	0	.1	
	11-21	.0	.0	.0	0	.1	0	0	0	.0	0	.1	
	22+	0	.3	.0	.0	.0	.0	.0	.0	.0	0	0	
	TOT 1	0	.3	.0	0	.1	.1	0	.1	.0	0	.3	
1<2	0-3	0	0	0	0	0	0	0	0	.0	0	.1	
	4-10	0	.0	0	0	.1	.1	0	.1	.0	0	.3	
	11-21	0	.0	0	0	0	.1	0	.0	.0	0	.2	
	22+	.0	.0	.0	.0	0	0	.0	.0	.0	0	0	
	TOT 1	0	0	.1	0	.1	.2	.1	.1	.0	0	.6	
2<5	0-3	0	0	0	0	0	.1	0	0	.0	.1	.3	
	4-10	.1	0	.1	.1	.2	.3	.3	.2	.0	0	1.3	
	11-21	0	0	.1	0	.1	.2	.2	0	.0	0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	
	TOT 1	.1	.1	.2	.2	.3	.5	.5	.2	.0	.1	2.3	
5<10	0-3	.1	.1	.1	.1	.2	.2	.3	.2	.0	.6	1.9	
	4-10	.5	.3	.3	.7	1.3	2.0	2.1	.8	.0	0	8.0	
	11-21	.1	0	.1	.2	.3	1.0	1.0	.2	.0	0	3.0	
	22+	.0	.0	.0	0	0	0	0	0	.0	0	.1	
	TOT 1	.7	.5	.5	1.1	1.8	3.3	3.4	1.2	.0	.6	13.1	
10+	0-3	.9	.5	.9	1.5	2.2	2.7	2.6	1.0	.0	9.7	22.0	
	4-10	2.2	1.5	2.5	4.6	8.7	13.2	14.6	5.0	.0	0	52.2	
	11-21	.2	.3	.4	.5	1.3	2.5	3.3	.7	.0	0	9.2	
	22+	0	0	0	0	0	0	0	0	.0	0	.1	
	TOT 1	3.3	2.3	3.8	6.7	12.1	18.4	20.5	6.7	.0	9.7	83.5	
TOT OBS													7953
TOT PCT													100.0

MAY

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1861-1979

TABLE 10

AREA 0011 PUNTA BURECA
7.7N 83.0WPERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	1.0	.8	3.6	11.4	15.1	5.7	1.7	.6	.4	.1	40.6	56.4	1730				
06009	1.2	.9	3.3	13.8	17.7	5.6	2.2	.6	.3	.1	46.0	54.0	1233				
12015	1.7	.8	5.3	13.3	14.7	5.8	2.3	.9	.1	.3	44.0	55.2	1658				
18021	.8	.6	3.9	11.8	14.5	6.2	1.9	.6	.6	.4	41.4	51.6	1928				
TOT	76	50	268	816	1003	384	126	46	25	19	2811	3736	6549				
PCT	1.2	.8	4.1	12.5	15.3	5.9	1.9	.7	.4	.3	42.9	57.1	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.2	.2	.4	2.0	11.0	86.1	2020
06009	.5	.1	.5	2.1	15.6	81.2	1681
12015	.2	.	1.3	2.5	15.5	80.5	2044
18021	.4	.4	.6	2.6	11.4	84.6	2540
TOT	27	24	54	192	1090	6898	8285
PCT	.3	.3	.7	2.3	13.2	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ 4/8+5+	NM <5/8 AND 5+	TOTAL OBS
00003	1.1	5.6	18.0	23.6	58.4	1681
06009	1.3	5.8	20.7	26.9	52.4	1187
12015	1.7	8.1	22.2	23.8	54.1	1611
18021	.8	5.5	16.2	24.0	57.8	1883
TOT	78	400	1249	1549	3564	6362
PCT	1.2	6.3	19.6	24.1	56.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/99	.0	.0	.0	.0	.0	.0	.0	.0	3	.0
80/94	.0	.0	.0	.1	.6	.3	.1	.0	78	1.2
85/89	.0	.0	.0	.1	3.8	6.3	2.2	.5	729	10.9
80/84	.0	.0	.0	.0	1.2	17.4	39.5	8.5	4359	66.6
75/79	.0	.0	.0	.0	.0	1.1	8.6	11.0	1382	20.7
70/74	.0	.0	.0	.0	.0	.0	.0	.4	31	.5
TOTAL	0	0	2	19	244	1676	3360	1361	6662	100.0
PCT	.0	.0	.0	.3	3.7	25.2	50.4	20.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	.0	.0	.1	.2	.2	.2	.1	.0	.2
.4	.4	.6	1.1	1.4	1.6	2.5	.8	.0	1.6
2.2	1.4	2.8	4.9	9.8	15.6	17.1	5.2	.0	7.5
1.1	.8	1.6	1.5	3.2	5.1	4.9	1.6	.0	1.5
.0	.0	.0	.1	.0	.0	.2	.1	.0	.0
3.8	2.8	4.5	7.8	14.6	22.6	25.3	7.8	.0	10.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	91	88	86	82	79	75	68	81.5	2183
06009	89	86	84	81	77	75	72	80.7	1671
12015	91	88	84	81	77	75	72	80.5	2209
18021	96	91	88	83	77	75	70	77.8	2810
TOT	96	90	86	81	77	75	68	81.5	9073

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	2.2	25.3	54.8	17.7	83	1757		
06009	.0	.0	1.1	18.1	57.9	23.0	85	1394		
12015	.0	.1	1.3	17.3	53.8	27.5	85	1758		
18021	.0	.9	8.7	36.8	38.9	14.7	80	2050		
TOT	0	21	253	1756	3513	1416	83	6459		

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1961-1979

MAY

AREA 0011 PUNTA BURICA
7.7% 83.0d

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	992	101	% FOG	% FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
9/10	.0	.0	.0	.0	.0	.0	.0	.0	20	.0	.4
7/8	.0	.0	.0	.0	.0	.0	.0	.0	43	.0	.6
6	.0	.0	.0	.0	.0	.0	.0	.0	47	.0	.7
5	.0	.0	.0	.0	.0	.0	.0	.0	94	.0	1.3
4	.0	.0	.0	.0	.0	.0	.0	.0	131	.0	1.9
3	.0	.0	.0	.0	.0	.0	.0	.0	147	.0	2.0
2	.0	.0	.0	.0	.0	.0	.0	.0	324	.0	4.5
1	.0	.0	.0	.0	.0	.0	.0	.0	409	.0	5.7
0	.0	.0	.0	.0	.0	.0	.0	.0	802	.0	11.1
-1	.0	.0	.0	.0	.0	.0	.0	.0	843	.0	11.7
-2	.0	.0	.0	.0	.0	.0	.0	.0	1179	.0	16.3
-3	.0	.0	.0	.0	.0	.0	.0	.0	941	.0	13.1
-4	.0	.0	.0	.0	.0	.0	.0	.0	614	.0	8.5
-5	.0	.0	.0	.0	.0	.0	.0	.0	523	.0	7.2
-6	.0	.0	.0	.0	.0	.0	.0	.0	322	.0	4.5
-7/-8	.0	.0	.0	.0	.0	.0	.0	.0	99	.0	1.4
-9/-10	.0	.0	.0	.0	.0	.0	.0	.0	36	.0	.5
-11/-13	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	.0
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	2	5	198	2307	3806	758	122	7210	5	7205	
PCT	.1	.1	2.7	32.0	52.8	10.5	1.7	1.2	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.3	1.1	.0	.0	.0	.0	1.4	.2	.4	.0	.0	.0	.0	.6
1-2	.1	1.2	.0	.0	.0	.0	1.3	.2	1.2	.2	.0	.0	.0	1.5
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.3	.1	.0	.0	.0	.4
5-6	.1	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.5	.1	.0	.0	.0	3.0	.4	1.4	.3	.0	.0	.0	2.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1	.4	.6	.0	.0	.0	.0	1.0	.4	1.1	.0	.0	.0	.0	1.8
1-2	.2	1.5	.0	.0	.0	.0	1.9	.4	1.5	.1	.0	.0	.0	3.9
3-4	.0	.2	.0	.0	.0	.0	.4	.0	1.0	.5	.1	.0	.0	1.4
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.3	.1	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.4	.5	.0	.0	.0	3.4	1.0	5.7	.8	.2	.0	.0	7.6

PERIOD: (OVER-ALL) 1963-1979

MAY

AREA L-11 PLANTA SURICA
7.74 42.04

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.3	1.6	.0	.0	.0	.0	2.9	1.5	1.3	.1	.0	.0	.0	2.9	4.9
1-2	.8	5.4	.5	.0	.0	.0	6.7	1.2	5.9	1.6	.0	.0	.0	8.7	12.7
3-4	.1	2.3	.5	.1	.0	.0	2.9	.1	3.6	1.2	.0	.0	.0	4.9	4.9
5-6	.0	.1	.5	.0	.0	.0	1.0	.0	.9	.9	.0	.0	.0	1.9	1.9
7	.0	.1	.2	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.4	.4
8-9	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	9.9	1.7	.1	.0	.0	13.9	2.8	17.9	4.3	.0	.0	.0	25.1	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	5.6	.2	.0	.0	.0	5.1	.2	1.5	.0	.0	.0	.0	1.5	1.5
1-2	.1	10.0	1.6	.0	.0	.0	12.6	.6	3.0	.4	.0	.0	.0	4.0	4.0
3-4	.1	4.1	2.2	.1	.0	.0	6.4	.1	.9	.2	.0	.0	.0	1.2	1.2
5-6	.0	.8	1.3	.0	.0	.0	2.1	.0	.2	.5	.1	.0	.0	.7	.7
7	.0	.0	.2	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1	.1
8-9	.0	.1	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	18.9	5.6	.1	.0	.0	26.8	.9	5.7	1.2	.1	.0	.0	7.9	46.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.7	13.4	.3	.0	.0	.0	30.4	1896
1-2	5.1	34.9	4.4	.0	.0	.0	44.4	
3-4	.3	12.2	4.5	.2	.0	.0	17.2	
5-6	.1	2.4	3.5	.2	.0	.0	6.2	
7	.0	.2	.9	.1	.0	.0	1.2	
8-9	.0	.2	.2	.1	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.2	63.5	13.4	.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.2	20.3	17.2	5.2	1.2	.5	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2934	3
6-7	.1	3.1	7.4	5.3	1.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1039	4
7-9	.1	.8	3.1	2.3	.9	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.44	4
10-11	.0	1.0	1.3	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	227	4
12-13	.0	.0	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4
>13	.0	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	6
INDEX	9.8	1.9	2.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	859	1
TOTAL	973	1539	1828	873	274	102	40	10	9	6	0	0	0	0	0	0	0	0	0	5664	3
PCT	17.2	27.2	32.3	15.4	5.0	1.8	.7	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1882-1979

JUNE

AREA 0011 PUNTA GURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLDG DUST	SIG	NO SIG
N	14.0	5.9	1.2	.0	.0	.0	.0	21.1	10.3	4.6	.8	.0	.0	.0	.0	.0	64.6
NE	14.5	5.6	2.9	.0	.0	.0	.0	25.0	4.4	3.9	.2	.0	.0	.0	.0	.0	70.7
E	10.0	3.9	5.2	.0	.0	.0	.0	19.1	4.6	3.5	.0	.0	.0	.0	.0	.0	73.9
SE	6.6	4.5	3.4	.0	.0	.0	.0	14.4	6.6	3.0	.3	.3	.0	.0	.0	.0	76.1
S	7.7	5.3	3.0	.0	.0	.0	.0	15.7	9.6	3.9	.2	.0	.0	.0	.0	.0	71.7
SW	7.1	5.2	2.4	.0	.0	.0	.0	14.5	8.2	3.6	.3	.0	.1	.0	.0	.0	73.7
W	6.2	4.5	2.4	.0	.0	.0	.0	14.6	6.7	3.4	.3	.0	.2	.0	.0	.0	74.8
NW	7.8	4.2	2.0	.0	.0	.0	.0	14.0	7.1	3.4	.1	.0	.2	.1	.0	.0	75.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.9	4.1	1.4	.0	.0	.0	.0	10.4	5.7	3.9	.0	.0	.0	.0	.0	.0	81.1
TOT PCT	7.6	4.6	2.5	.0	.0	.0	.0	14.4	7.3	3.4	.2	.0	.1	.0	.0	.0	74.2
TOT OBS:	7150																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG NO PCPN PAST HR	SMOKE	HAZE	BLDG DUST	SIG	NO SIG
0000	6.9	4.2	2.3	.0	.0	.0	.0	13.3	6.6	2.6	.2	.1	.1	.1	.1	.1	77.4
0600	6.8	4.5	2.9	.0	.0	.0	.0	14.1	6.7	3.9	.5	.1	.0	.0	.1	.1	69.2
1200	9.0	4.3	2.7	.0	.0	.0	.0	17.7	9.2	2.8	.2	.0	.1	.1	.1	.1	70.7
1800	6.1	4.2	2.1	.0	.0	.0	.0	14.3	6.5	1.2	.2	.0	.1	.1	.1	.1	77.9
TOT PCT	7.6	4.6	2.5	.0	.0	.0	.0	14.4	7.3	3.4	.2	.0	.1	.0	.0	.0	74.4
TOT OBS:	7150																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)									
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21		
N	.7	1.7	.4	.0	.0	.0		2.8	6.6		1.7	1.2	2.9	2.6	4.7	4.7	2.2	3.4		
NE	.4	1.2	.2	.0	.0	.0		1.6	6.3		.6	1.3	2.0	1.6	2.4	3.4	1.7	3.2		
E	.9	2.3	.2	.0	.0	.0		3.1	6.5		2.4	3.0	3.4	1.5	3.3	3.4	3.0	3.0		
SE	1.2	1.4	.7	.0	.0	.0		5.5	6.7		5.3	4.2	4.6	5.5	4.7	3.4	5.9	6.0		
S	2.1	4.1	2.0	.1	.0	.0		13.2	7.3		15.7	10.4	13.2	12.2	10.8	12.7	13.1	16.7		
SW	2.8	17.0	5.3	.1	.0	.0		25.1	8.1		28.4	27.4	21.7	26.7	22.0	22.9	26.1	31.9		
W	2.9	27.8	7.1	.2	.0	.0		31.0	8.5		34.3	36.5	31.8	30.1	30.7	28.5	29.5	20.4		
NW	.8	6.2	2.4	.0	.0	.0		9.5	8.7		6.1	7.2	9.2	9.4	13.3	11.4	9.8	6.8		
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	7.9							7.9	.0		5.0	9.0	8.7	10.4	6.1	9.1	8.9	8.6		
TOT OBS	1607	5159	1529	34	1	0	4329	7.3			1857	156	1544	250	1724	230	2275	291		
TOT PCT	19.3	61.9	18.3	.4	.0	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	06	12
N	1.6	1.1	.1	.0	.0		2.8	6.6			1.7	2.6	4.7	2.3
NE	1.2	.5	.1	.0	.0		1.6	6.3			.7	2.0	2.4	1.8
E	1.9	1.2	.1	.0	.0		3.1	6.5			2.4	3.5	3.3	3.0
SE	3.3	2.1	.1	.0	.0		5.5	6.7			5.2	4.5	4.6	5.9
S	6.0	6.0	.4	.0	.0		13.2	7.3			15.3	13.1	13.0	13.5
SW	10.7	13.6	.1	.0	.0		25.1	8.1			28.4	27.4	22.1	26.8
W	11.9	17.9	1.2	.0	.0		31.0	8.5			34.3	36.5	30.4	26.4
NW	3.6	5.3	.5	.0	.0		9.5	8.7			6.1	7.2	9.2	9.8
VAR	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	.0
CALM	7.9						7.9	.0			5.3	9.0	8.2	6.8
TOT OBS	4070	3981	273	5	0	8329					2013	1744	1956	2566
TOT PCT	44.9	47.8	3.3	.1	.0	100.0					100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1969-1970
(OVER-ALL) 1967-1970

JUNE

AREA "CII" PUNTA BUICA
7.6% 81.0%

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND DIR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	5.3	10.2	67.5	21.6	.4	.0	.0	7.9	100.0	2013
0600	9.0	10.9	61.9	17.6	.7	.0	.0	7.3	100.0	1794
1200	8.2	10.0	63.5	17.3	.1	.0	.0	7.2	100.0	1956
1800	8.8	12.2	60.3	17.2	.5	.0	.0	7.1	100.0	2566
TOT	656	951	5159	1523	30	1	.0	7.3		2329
PCT	7.9	11.4	61.9	18.3	.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD COVER
N	.1	.4	1.2	1.2	6.5
NE	.1	.2	.7	.5	6.3
E	.1	.4	1.3	1.4	6.5
SE	.2	.6	2.8	1.7	6.3
S	.4	.9	6.2	5.8	13.7
SW	.7	2.2	11.4	9.6	6.6
W	1.2	3.6	15.3	12.7	6.4
NW	.3	1.1	4.2	4.1	6.5
WSP	.0	.0	.0	.0	.0
CALM	.4	1.3	3.4	1.9	6.0
TOT OBS	192	629	2666	2224	5675
TOT PCT	3.4	10.7	47.0	38.9	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT. AM 34/8)
AND OCCURRENCE OF AM 45/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	TOTAL
N	.1	.4	1.2	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NE	.1	.2	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
E	.1	.4	1.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
SE	.2	.6	2.8	1.7	.1	.1	.2	.8	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
S	.4	.9	6.2	5.8	.1	.2	.6	2.1	2.7	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1
SW	.7	2.2	11.4	9.6	.3	.2	1.2	4.3	4.7	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
W	1.2	3.6	15.3	12.7	.7	.1	1.4	5.8	6.3	2.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3
NW	.3	1.1	4.2	4.1	.1	.0	.2	1.6	1.8	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WSP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	1.3	3.4	1.9	.1	.0	.3	.9	1.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
TOT OBS	192	629	2666	2224	93	41	240	957	1051	401	136	37	12	12	269															5675
TOT PCT	3.4	10.7	47.0	38.9	1.6	.7	4.2	16.9	18.5	7.1	2.4	.6	.2	.2	4.6															100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (AM 34/8) AND VSBY (NM)

CEILING (FEET)	≥ CR 310	≥ CR 35	≥ CR 32	≥ CR 31	≥ CR 31.2	≥ CR 31.4	≥ CR 3500	≥ CR 30
≥ CR 36500	.4	.4	.4	.4	.4	.4	.4	.4
≥ CR 35000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ CR 33500	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4
≥ CR 32000	8.9	10.2	10.4	10.5	10.5	10.5	10.5	10.5
≥ CR 31000	23.7	27.6	28.4	28.6	28.6	28.6	28.6	28.6
≥ CR 30000	35.3	41.4	44.9	45.3	45.4	45.5	45.5	45.5
≥ CR 29000	57.5	67.0	68.9	69.0	69.5	69.6	69.7	69.7
≥ CR 28000	77.9	87.7	89.6	90.1	90.3	90.4	90.4	90.4
≥ CR 27000	88.4	98.7	99.0	99.1	99.1	99.1	99.1	99.1
TOTAL	2239	2842	2974	3011	3020	3025	3034	3036

TOTAL NUMBER OF OBS: 5634

PCT FREQ AM 45/8: 48.0

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

2	1	2	3	4	5	6	7	8	OBSERV	TOTAL Obs
1.1	4.5	11.9	14.3	15.3	10.6	12.9	9.4	18.7	1.0	6223

AREA CODE: PUNTA GORDA
7.64 03.06

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WATER NAME	N	NE	E	SE	S	SW	W	NW	VAR	CALC	PCT	TOTAL OLS
PCP	0	0	10	10	17	-11	-11	10	10	0	12	
N2 PCP	17	17	0	0	0	0	0	10	10	10	11	
TOT L	0	0	0	0	0	-1	12	10	10	0	16	
PCP	0	0	10	10	0	0	0	0	10	17	12	
N2 PCP	17	17	0	0	0	0	10	0	10	0	11	
TOT L	0	0	10	11	-1	0	11	10	10	0	13	
PCP	0	0	0	0	0	11	11	0	10	10	16	
N2 PCP	0	0	0	0	0	11	11	0	10	10	11	
TOT L	0	0	11	11	11	12	12	11	10	10	18	
PCP	11	0	11	11	15	15	16	11	10	0	20	
N2 PCP	11	0	0	11	11	15	16	11	10	0	110	
TOT L	12	11	11	12	16	16	16	12	10	1	30	
PCP	12	11	12	12	15	16	16	10	10	16	19	
N2 PCP	12	12	16	15	16	16	16	10	10	19	101	
TOT L	16	13	16	16	212	163	166	116	10	11	116.2	
PCP	17	11	12	16	19	17	20	16	10	13	16.1	
N2 PCP	17	11	11	16	16	16	16	17	10	16	111	
TOT L	212	112	21	16	163	163	211	17	10	16.6	116.6	
TOT CUS												
TOT PCT	2.9	1.7	1.2	1.5	11.3	21.7	32.1	16.4	10	6.9	100.0	1122

PERCENT FOL. OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

[illegible]

JUNE

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1862-1979

TABLE 10

AREA 0011 PUNTA BURICA
7.6N 83.0WPERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	1.3	.7	4.1	15.8	17.8	7.0	1.9	.9	.4	.2	50.2	44.8	1593
06009	2.6	.6	3.8	16.8	17.8	7.7	1.6	.2	.1	.6	51.8	46.2	1161
12015	1.4	1.4	5.0	17.6	17.2	6.9	3.0	.6	.1	.1	53.0	47.0	1469
18021	1.4	.6	3.4	15.4	18.7	6.3	2.6	.5	.2	.2	49.0	51.0	1774
TOT	93	43	245	977	1074	415	140	34	12	14	3047	2450	5997
PCT	1.6	.7	4.1	16.3	17.9	6.9	2.3	.6	.2	.2	50.8	45.2	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	.4	.7	2.1	14.4	62.1	1886
06009	.2	.2	.9	2.7	18.3	77.7	1646
12015	.5	.5	1.1	4.6	16.7	76.7	1842
18021	.5	.4	1.1	3.8	15.0	79.1	2359
TOT	51	24	74	258	1235	4106	7733
PCT	.4	.4	1.0	3.3	16.0	79.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 C1	<1000 C5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	1.4	6.5	22.9	28.3	48.6	1555
06009	2.7	7.3	26.0	27.7	48.4	1121
12015	1.5	7.8	27.4	27.3	45.3	1430
18021	1.2	5.7	22.7	27.8	49.5	1728
TOT	93	393	431	1621	2782	5834
PCT	1.6	6.7	24.5	27.8	47.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	1	.4
90/94	.0	.0	.0	.0	.2	.1	.1	.0	27	.4
85/89	.0	.0	.0	.1	.9	3.3	1.0	.3	346	5.6
80/84	.0	.0	.0	.0	.9	14.1	34.5	8.3	3593	57.8
75/79	.0	.0	.0	.0	.1	1.5	16.2	17.2	2180	35.1
70/74	.0	.0	.0	.0	.0	.0	.1	1.0	72	1.2
TOTAL	0	0	2	7	130	1189	3223	1468	6219	100.0
PCT	.0	.0	.4	1.1	2.1	19.1	51.8	26.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.1	.1	.0	.0	.0
.2	.1	.2	.5	.6	1.0	1.6	.6	.0	.7
1.6	.9	1.6	3.0	7.2	13.7	19.5	5.3	.0	4.9
1.0	.6	1.0	1.8	5.1	9.5	10.4	3.3	.0	2.4
.1	.0	.1	.1	.1	.2	.3	.1	.0	.1
2.8	1.7	3.0	5.4	13.2	24.5	31.9	9.4	.0	8.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	93	86	64	40	76	74	71	80.4	2037
06009	89	84	83	80	76	74	68	79.7	1857
12015	92	85	83	80	76	74	72	79.6	1993
18021	95	80	87	82	76	74	72	81.6	2609
TOT	95	81	85	80	76	74	68	80.4	8496

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.1	1.4	18.6	54.6	25.4	85	1625
06009	.0	.0	.9	11.8	57.0	30.3	86	1381
12015	.0	.0	.8	12.4	53.6	33.1	87	1570
18021	.0	.4	4.8	30.8	44.9	19.2	82	1852
TOT	0	9	135	1231	3347	1706	85	6428

PERIOD: (PRIMARY) 1949-1979
(OVERALL) 1862-1979

JUNE

APLA 0011 PUNTA BURICA
7.6° 83.0w

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	% FOG
14/16	.0	.6	.6	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	.1
9/10	.0	.0	.0	.0	.0	.0	.0	.0	9	.0	.1
7/8	.0	.0	.0	.1	.1	.2	.1	.1	38	.0	.6
6	.0	.0	.0	.0	.1	.1	.2	.0	34	.0	.5
5	.0	.0	.0	.0	.4	.5	.1	.0	72	.0	1.1
4	.0	.0	.0	.1	.7	.9	.1	.0	121	.0	1.6
3	.0	.0	.0	.1	.7	.7	.0	.0	99	.0	1.3
2	.0	.0	.0	.2	2.7	1.2	.0	.0	281	.0	4.2
1	.0	.0	.0	.5	3.3	1.0	.0	.0	317	.0	4.7
0	.0	.0	.1	2.3	7.6	.6	.0	.0	711	.0	10.5
-1	.0	.0	.0	.4	2.7	.2	.0	.0	621	.0	9.1
-2	.0	.0	.1	9.2	8.2	.1	.0	.0	1184	.1	17.5
-3	.0	.0	.2	8.5	5.1	.1	.0	.0	934	.0	13.9
-4	.0	.0	.7	8.2	3.0	.0	.0	.0	800	.0	11.8
-5	.0	.0	.8	6.4	1.7	.0	.0	.0	599	.0	8.9
-6	.0	.0	.9	2.9	.5	.0	.0	.0	286	.0	4.2
-7/-8	.0	.0	1.7	2.4	.3	.0	.0	.0	303	.0	4.5
-9/-10	.0	.0	.6	.5	.0	.0	.0	.0	92	.0	1.4
-11/-13	.0	.1	.2	.1	.0	.0	.0	.0	25	.0	.4
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
-17/-19	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	5	36	283	391	9	6736	15	6721		
PCT	.0	.1	5.5	45.7	47.1	5.6	.7	.1	100.0	.2	9.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.3	.4	.0	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	.5
1-2	.2	.7	.2	.0	.0	.0	1.2	.1	.4	.0	.0	.0	.0	.5
3-4	.1	.2	.2	.0	.0	.0	.6	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	1.4	.6	.0	.0	.0	2.7	.2	1.0	.2	.0	.0	.0	1.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.3	.6	.0	.0	.0	.0	1.0	.6	.6	.0	.0	.0	.0	1.2
1-2	.2	1.0	.1	.0	.0	.0	1.3	.1	1.2	.3	.0	.0	.0	1.7
3-4	.0	.5	.2	.0	.0	.0	.7	.0	.5	.3	.0	.0	.0	.8
5-6	.0	.1	.0	.0	.0	.0	.1	.0	.1	.3	.0	.0	.0	.5
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	.5	.0	.0	.0	3.2	.7	2.5	1.0	.0	.0	.0	4.2

PERIOD: (OVER-ALL) 1963-1979

JUNE

AREA C-11 PUNTA BURICA
7.6N 83.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S										SW									
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT			
<1	1.1	2.0	.7	.0	.0	.0	3.2			1.2	2.8	.1	.0	.0	.0	4.0			
1-2	.5	3.5	.3	.0	.0	.0	4.3			.7	6.0	1.7	.0	.0	.0	10.4			
3-4	.3	1.7	.9	.1	.0	.0	3.0			.1	3.3	3.4	.1	.0	.0	6.9			
5-6	.0	.5	.5	.1	.0	.0	1.1			.1	1.1	2.0	.0	.0	.0	3.3			
7	.0	.1	.2	.0	.0	.0	.4			.0	.2	.2	.0	.0	.0	.4			
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.1	.2	.0	.0	.0	.3			
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.1	.0	.0	.1			
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
41-46	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
49-50	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0			
TOT PCT	1.8	7.6	2.2	.2	.0	.0	12.0			2.1	15.5	7.6	.1	.0	.0	25.3			

W										NW										TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT				
<1	.6	3.8	.1	.0	.0	.0	4.7			.2	.7	.0	.0	.0	.0	.9				
1-2	1.1	12.1	3.1	.0	.0	.0	16.3			.0	3.6	.7	.0	.0	.0	4.4				
3-4	.2	5.8	4.4	.1	.0	.0	10.5			.0	1.3	1.2	.0	.0	.0	2.5				
5-6	.1	1.3	2.3	.2	.0	.0	3.9			.0	.4	.6	.1	.0	.0	1.0				
7	.0	.3	.4	.1	.0	.0	.7			.0	.0	.0	.0	.0	.0	.1				
8-9	.0	.1	.2	.1	.0	.0	.3			.0	.0	.0	.0	.0	.0	.3				
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0	.1				
13-16	.0	.0	.1	.0	.0	.0	.1			.0	.0	.0	.0	.0	.0	.0				
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
41-46	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
49-50	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
TOT PCT	2.2	23.4	10.5	.4	.0	.0	36.6			.2	6.1	2.6	.1	.0	.0	8.9	94.4			

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.3	11.1	.5	.0	.0	.0	22.6	
1-2	3.2	30.1	6.3	.0	.0	.0	39.8	
3-4	.8	13.2	10.5	.3	.0	.0	24.7	
5-6	.2	3.4	6.0	.4	.0	.0	9.9	
7	.0	.6	.9	.1	.0	.0	1.8	
8-9	.0	.2	.4	.1	.0	.0	.6	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-46	.0	.0	.0	.0	.0	.0	.0	
49-50	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.6	58.9	24.6	.9	.0	.0	100.0	1712

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49	60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	5.7	16.4	17.0	7.3	1.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	258.9	3
1-2	.2	2.6	9.2	8.0	2.7	.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124.6	4
3-4	.0	1.0	3.1	3.1	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48.2	5
5-6	.0	.4	.8	1.1	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.6	5
7-9	.0	.0	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	5
10-11	.0	.0	.0	.7	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	2
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.206	3
TOTAL	5.9	11.7	17.0	11.1	15.9	15.4	4.9	1.2	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT	11.5	22.6	32.7	21.0	6.9	3.0	.9	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1886-1979

JULY

AREA 7011 PUNTA BURICA
1.7N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	GRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLNG DUST	NO SIG WEA
N	7.0	5.7	3.1	.0	.0	.0	.0	15.4	7.8	6.3	.0	.0	.0	.0	72.0
NE	5.2	4.0	3.0	.0	.0	.0	.0	12.1	8.1	6.7	.0	.0	.0	.0	73.7
E	7.7	3.9	2.7	.0	.0	.0	.0	11.9	7.9	6.5	.0	.0	.3	.0	71.4
SE	4.6	2.7	2.3	.0	.0	.0	.0	9.6	6.9	4.1	.0	.0	.1	.0	79.8
S	8.8	5.0	3.7	.0	.0	.0	.0	17.2	6.5	4.5	.0	.0	.5	.1	71.7
SW	6.6	4.2	2.9	.0	.0	.0	.0	13.6	7.9	3.9	.1	.0	.3	.0	74.7
W	6.5	4.2	2.1	.0	.0	.0	.1	12.6	6.4	4.5	.2	.0	.1	.1	76.4
NW	6.1	5.1	1.6	.0	.0	.0	.1	14.8	8.0	6.0	.1	.0	.2	.0	72.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8	1.9	1.7	.0	.0	.0	.0	6.5	5.0	5.0	.4	.0	.4	.2	82.5
TOT PCT	6.6	4.2	2.6	.0	.0	.0	*	13.3	7.0	4.6	.1	.0	.2	.1	75.2
TOT OBS:	7300														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHAR	GRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	BLNG DUST	NO SIG WEA
0300	5.7	3.9	2.4	.0	.0	.0	.0	11.8	5.4	3.4	.3	.0	.1	.1	79.6
0600	6.0	3.6	2.7	.0	.0	.0	.0	12.1	6.2	12.1	.1	.0	.4	.1	69.7
1200	8.5	5.2	2.3	.0	.0	.0	.0	15.9	8.3	4.7	.1	.0	.3	.1	71.2
1800	6.3	4.2	2.7	.0	.0	.0	.1	13.0	7.4	1.0	.1	.0	.3	.1	78.6
TOT PCT	6.6	4.2	2.5	.0	.0	.0	*	13.2	6.9	4.8	.1	.0	.3	.1	75.1
TOT OBS:	7537														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.9	1.6	.4	.0	.0	.0		2.8	6.1	1.6	3.3	3.4	3.4	4.2	2.5	2.5	2.5	
NE	.3	1.6	.4	.0	.0	.0		2.3	7.6	1.4	1.7	3.0	2.4	2.8	2.3	2.2	1.0	
E	.7	2.1	.5	.0	.0	.0		3.3	6.9	2.1	6.3	3.9	4.5	3.2	5.3	3.6	3.2	
SE	.8	3.9	.5	.0	.0	.0		5.3	6.8	4.6	2.4	6.2	6.1	4.0	5.2	6.1	7.6	
S	1.9	4.8	1.8	.1	.0	.0		13.4	7.3	12.9	15.6	13.6	10.2	11.7	15.7	15.5	15.3	
SW	2.7	20.0	5.2	.2	.0	.0		28.1	8.0	34.4	19.7	24.2	30.1	25.8	29.1	27.1	31.4	
W	2.9	21.0	5.9	.1	.0	.0		29.9	8.1	32.3	34.0	30.3	29.4	29.7	27.6	28.3	24.1	
NW	1.1	5.6	1.4	.0	.0	.0		8.1	7.6	6.2	6.8	8.2	7.3	10.5	8.5	7.6	11.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.6							6.6	.0	4.5	10.3	7.3	6.6	8.0	3.8	7.0	3.9	
TOT OBS	1512	5524	1360	32	3	0	8431		7.2	1917	136	1550	244	1869	183	2276	254	
TOT PCT	17.9	65.5	16.1	.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	12
N	1.8	1.0	.1	.0	.0		2.8	6.1	1.7	3.4	4.0
NE	1.1	1.1	.1	.0	.0		2.3	7.6	1.4	2.9	2.8
E	2.0	1.2	.1	.0	.0		3.3	6.9	2.1	4.0	3.4
SE	3.1	2.1	.1	.0	.0		5.3	6.8	4.6	6.2	4.1
S	6.8	6.5	.2	.0	.0		13.6	7.3	13.1	13.2	12.1
SW	11.6	15.6	.8	.0	.0		28.1	8.0	33.4	25.0	26.1
W	12.4	16.6	.9	.0	.0		29.9	8.1	32.4	30.2	29.5
NW	3.9	4.0	.3	.0	.0		8.1	7.6	6.3	8.1	10.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	6.6						6.6	.0	4.9	7.2	7.7
TOT OBS	4163	4042	217	7	8431		7.2	2053	1744	2052	2532
TOT PCT	49.4	47.9	2.6	.1			100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1961-1979
(OVER-ALL) 1886-1979

JULY

AREA 0011 PUNTA BUNICA
7.7N 83.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000Z	4.9	9.1	67.2	18.2	.5	.1	.0	7.8	100.0	2053
0600Z	7.2	10.1	65.4	17.0	.3	.0	.0	7.2	100.0	1794
1200Z	7.7	11.8	64.7	15.4	.5	.0	.0	7.3	100.0	2052
1800Z	6.7	13.7	64.9	14.5	.3	.0	.0	6.9	100.0	2532
TOT	556	956	5524	1360	32	3	0	7.2		8431
PCT	6.6	11.5	65.5	16.1	.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN COVLR
N	.2	.3	1.2	1.7		6.4
NE	.1	.3	1.0	.7		6.1
E	.1	.4	1.4	1.0		6.3
SE	.3	.7	2.3	1.6		6.1
S	.3	1.4	6.3	5.5		6.6
SW	.8	2.4	13.5	11.9		6.6
W	1.5	3.6	13.8	11.3		6.3
NW	.4	.9	3.9	2.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.4	1.5	3.1	1.7		5.7
TOT OBS	247	688	2770	2253	5958	6.4
TOT PCT	4.1	11.5	46.5	37.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.) NH >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	TOTAL OBS
N	.1	.0	.1	.4	.4	.2	.1	.1	.0	.1	1.4
NE	.0	.0	.0	.3	.4	.2	.0	.0	.0	.0	1.2
E	.1	.0	.1	.6	.6	.2	.0	.0	.0	.0	1.3
SE	.1	.0	.2	.6	.9	.4	.0	.0	.0	.0	2.7
S	.3	.1	.6	2.1	2.8	1.0	.4	.0	.0	.1	6.2
SW	.3	.2	1.3	5.1	5.9	1.6	.6	.2	.0	.1	13.4
W	.3	.3	1.8	4.9	5.5	1.7	.9	.2	.0	.0	14.9
NW	.1	.0	.4	1.4	1.3	.5	.3	.0	.0	.7	4.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.6	1.0	.3	.1	.0	.0	.0	4.4
TOT OBS	40	42	247	953	1313	365	148	39	11	17	5958
TOT PCT	1.3	.7	4.1	16.0	18.7	6.1	2.5	.6	.2	.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
= OR >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >3500	3.0	3.5	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	8.3	9.6	9.7	9.8	9.8	9.6	9.8	9.8
= OR >1000	23.6	27.7	29.3	28.5	28.5	28.5	28.5	28.5
= OR >600	35.0	42.3	43.9	44.1	44.2	44.2	44.2	44.2
= OR >300	37.4	45.9	47.8	48.2	48.3	48.3	48.3	48.3
= OR >150	37.7	46.4	48.5	48.8	49.0	49.0	49.0	49.0
= OR >0	38.0	47.1	49.5	50.0	50.2	50.2	50.3	50.3
TOTAL	2335	2693	3040	3072	3082	3087	3090	3092

TOTAL NUMBER OF OBS: 6142

PCT FREQ NH <5/8: 49.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	9	TOTAL OBS
	1.4	5.8	12.8	14.7	14.6	10.7	11.8	9.9	17.5	.9	6500

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1886-1979

JULY

AREA 0011 PUNTA SURICA
7.7N 83.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT 1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT 1	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3
1<2	PCP	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.6
	NO PCP	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.3
	TOT 1	.0	.0	.0	.0	.1	.4	.2	.1	.0	.0	.0	.9
2<5	PCP	.0	.1	.1	.1	.3	.4	.5	.1	.0	.0	.1	1.7
	NO PCP	.1	.0	.1	.0	.2	.4	.2	.1	.0	.0	.0	1.3
	TOT 1	.1	.1	.1	.2	.5	.9	.8	.2	.0	.0	.1	3.0
5<10	PCP	.1	.0	.2	.1	.9	1.4	1.4	.4	.0	.1	.4	4.6
	NO PCP	.3	.2	.3	.5	1.2	2.8	2.6	.7	.0	.4	.9	9.0
	TOT 1	.4	.3	.5	.7	2.1	4.2	4.0	1.1	.0	.4	13.6	
10+	PCP	.2	.1	.2	.2	1.0	1.7	1.6	.5	.0	.3	.5	5.8
	NO PCP	2.1	1.6	2.5	4.2	9.7	21.0	23.1	6.1	.0	5.6	76.0	
	TOT 1	2.3	1.9	2.6	4.4	10.7	22.7	24.7	6.7	.0	5.9	81.8	
TOT OBS													
TOT PCT													
		2.9	2.3	3.3	5.3	13.0	26.3	29.9	8.2	.0	6.3	100.0	7283

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.3
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.4
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.7
	11-21	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT 1	.0	.0	.0	.0	.2	.4	.3	.1	.0	.0	.0	1.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.4	.4
	4-10	.1	.1	.1	.1	.4	.7	.6	.2	.0	.0	.2	2.2
	11-21	.0	.0	.1	.0	.1	.3	.3	.1	.0	.0	.4	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT 1	.1	.1	.2	.2	.6	1.0	1.0	.3	.0	.1	3.5	
5<10	0-3	.1	.0	.1	.1	.1	.2	.2	.1	.0	.4	1.4	
	4-10	.2	.2	.3	.5	1.4	2.5	2.4	.8	.0	.4	8.1	
	11-21	.2	.1	.1	.1	.5	1.3	1.3	.3	.0	.4	3.6	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	TOT 1	.4	.2	.5	.7	2.0	4.0	4.0	1.2	.0	.4	13.4	
10+	0-3	.4	.3	.6	.7	1.7	2.3	2.4	1.0	.0	6.1	15.8	
	4-10	1.3	1.4	1.6	3.3	7.7	16.2	17.4	4.6	.0	53.8		
	11-21	.2	.3	.3	.4	1.2	3.7	4.4	1.0	.0	12.6		
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2		
	TOT 1	2.3	1.9	2.7	4.4	10.6	22.3	24.3	6.6	.0	6.1	81.4	
TOT OBS													
TOT PCT													
		2.9	2.3	3.3	5.4	13.5	27.9	29.7	8.2	.0	6.7	100.0	7642

PERIOD: (PRIMARY) 1951-1979
(OVERALL) 1886-1979

JULY

AREA 0611 PUNTA BURICA
7.7N 83.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/4 BY HOUR

HOUR (GMT)	000	150	300	400	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/4 ANY HGT	TOTAL OBS
00003	149	299	599	999	1999	3499	4999	6499	7999				
06003	1.3	.6	3.3	15.9	16.2	5.9	2.5	.7	.1	.3	48.6	51.2	1654
06009	1.5	.2	3.6	15.5	19.6	5.8	2.5	.3	.2	.7	49.6	50.2	1216
12015	1.5	.9	5.1	16.3	18.1	5.6	1.8	.7	.3	.1	50.2	49.8	1617
18021	.9	.9	4.0	14.0	17.6	7.0	2.7	.6	.2	.3	48.3	51.7	1819
TOT	80	43	253	969	1152	384	151	38	11	21	3102	3204	6306
PCT	1.3	.7	4.0	15.4	18.3	6.1	2.4	.6	.2	.3	49.2	50.8	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.3	.4	2.6	11.6	84.5	1923
06009	.3	.1	.8	3.4	14.3	81.1	1667
12015	.5	.3	1.5	4.6	13.5	79.5	1959
18021	.3	.7	.9	3.4	13.7	81.0	2329
TOT	26	28	80	276	1046	6422	7878
PCT	.3	.4	1.0	3.5	13.3	81.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/4 ANY HGT	TOTAL OBS
00003	1.4	5.5	22.6	27.2	49.4	1612
06009	1.5	5.5	22.9	28.7	48.5	1176
12015	1.5	7.8	25.3	26.5	48.2	1574
18021	.9	6.1	21.1	24.4	50.5	1780
TOT	80	384	1407	1703	3032	6142
PCT	1.3	6.3	22.9	27.7	49.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.3	.2	.0	.0	34	.5
85/89	.0	.0	.0	.1	.9	3.5	1.0	.2	365	5.7
80/84	.0	.0	.0	.0	.8	14.6	33.7	7.4	3624	56.5
75/79	.0	.0	.0	.0	.1	1.8	17.9	16.3	2310	36.0
70/74	.0	.0	.0	.0	.0	.0	.1	1.1	76	1.2
TOTAL	0	0	1	10	128	1286	3387	1607	6409	100.0
PCT	.0	.0	.0	.2	2.0	20.1	52.7	25.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1
85/89	.3	.2	.2	.3	.6	1.4	1.6	.5	.0	.7
80/84	1.5	1.1	1.5	2.6	7.3	15.5	18.3	4.6	.0	3.9
75/79	1.1	.8	1.3	1.7	5.6	11.2	9.8	2.8	.0	1.8
70/74	.1	.1	.0	.1	.1	.3	.3	.1	.0	.0
TOTAL	2.9	2.2	3.1	4.6	13.8	28.5	30.2	7.9	.0	6.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	86	84	80	77	75	72	82.4	2077
06009	91	84	83	80	74	74	71	79.6	1858
12015	91	84	83	79	74	74	71	79.4	2120
18021	94	90	87	82	76	74	69	81.7	2585
TOT	94	88	85	80	76	74	69	80.4	4640

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.2	1.1	19.6	57.2	21.8			85	1676
06009	.0	.1	.9	14.0	56.9	28.2			86	1387
12015	.0	.0	.6	11.1	56.2	32.1			87	1699
18021	.0	.4	4.8	33.3	43.2	18.3			82	1864
TOT	0	13	131	1332	3507	1643			85	6626

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1886-1976

JULY

AREA 0011 PUNTA BURICA
7.7N 83.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	92	TOT	# FOG	# FOG
14/16	.2	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.0	17	.0	.2
7/8	.0	.0	.0	.2	.2	.1	.0	36	.0	.5
6	.0	.0	.0	.1	.2	.1	.0	29	.0	.4
5	.0	.0	.1	.1	.5	.2	.0	64	.0	.9
4	.0	.0	.1	.5	1.0	.1	.0	117	.0	1.7
3	.0	.0	.1	.8	1.6	.0	.0	116	.0	1.7
2	.0	.0	.2	2.5	1.3	.0	.0	232	.0	4.0
1	.0	.0	.4	3.1	.6	.0	.0	297	.0	4.4
0	.0	.0	2.9	9.1	.5	.0	.0	854	.0	12.5
-1	.0	.1	4.3	7.5	.2	.0	.0	827	.0	12.1
-2	.0	.2	6.6	8.4	.1	.0	.0	1180	.0	17.3
-3	.0	.3	9.7	4.7	.0	.0	.0	1006	.1	14.7
-4	.0	.8	8.3	2.3	.0	.0	.0	778	.0	11.4
-5	.0	1.0	5.5	.8	.0	.0	.0	503	.0	7.3
-6	.0	1.2	3.1	.3	.0	.0	.0	316	.0	4.6
-7/-8	.0	1.6	2.3	.2	.0	.0	.0	283	.0	4.1
-9/-10	.1	.7	.4	.0	.0	.0	.0	87	.0	1.3
-11/-12	.1	.2	.1	.0	.0	.0	.0	30	.0	.4
-14/-16	.0	.1	.0	.0	.0	.0	.0	8	.0	.1
TOTAL	11	31.63	27.75	40.7	5.9	.7	.0	6825	.1	68.16
PCT	.2	6.2	46.3	40.7	5.9	.7	.0	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HEI	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.4	.1	.0	.0	.0	.9	.0	.2	.0	.0	.0	.0	.2
1-2	.1	1.2	.1	.0	.0	.0	1.4	.1	1.0	.2	.0	.0	.0	1.2
3-4	.1	.2	.1	.0	.0	.0	.5	.0	.4	.1	.0	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.7	.6	.1	.0	.0	2.9	.1	1.9	.4	.0	.0	.0	2.4

HEI	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5	.2	.7	.1	.0	.0	.0	1.0
1-2	.1	1.0	.2	.0	.0	.0	1.3	.2	1.9	.3	.0	.0	.0	2.4
3-4	.0	.2	.2	.0	.0	.0	.4	.0	.7	.2	.0	.0	.0	.9
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.7	.5	.1	.0	.0	2.5	.5	3.6	.4	.0	.0	.0	4.6

PERIOD: (OVER-ALL) 1963-1979

JULY

AREA 0711 PUNTA BURICA
7.7M 63.0M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.4	2.1	.1	.0	.0	.0	2.7	.7	4.1	.1	.0	.0	.0	.0	5.0
1-2	1.0	4.7	.2	.0	.0	.0	5.9	1.0	12.0	1.7	.0	.0	.0	.0	14.7
3-4	.5	1.9	.4	.1	.0	.0	3.2	.2	4.4	1.7	.0	.0	.0	.0	6.3
5-6	.0	.4	.4	.0	.0	.0	1.1	.0	1.2	1.7	.1	.0	.0	.0	3.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.0	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	9.5	1.7	.1	.0	.0	13.1	1.9	22.0	5.9	.2	.0	.0	.0	29.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.4	2.1	.1	.0	.0	.0	5.1	.7	4.1	.1	.0	.0	.0	.0	1.5
1-2	1.0	12.2	1.0	.0	.0	.0	14.3	.5	3.4	.6	.0	.0	.0	.0	4.5
3-4	.5	5.4	5.3	.0	.0	.0	8.7	.0	1.2	.6	.0	.0	.0	.0	1.8
5-6	.0	.5	1.1	.0	.0	.0	1.6	.1	.1	.2	.0	.0	.0	.0	.4
7	.0	.1	.4	.0	.0	.0	.5	.0	.1	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	22.4	5.4	.0	.0	.0	30.3	.7	6.1	1.4	.0	.0	.0	.0	34.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.0	13.3	.4	.0	.0	.0	23.9	0.0
1-2	4.8	16.5	4.2	.0	.0	.0	45.5	0.0
3-4	.7	14.0	7.0	.2	.0	.0	21.8	0.0
5-6	.1	2.9	3.7	.1	.0	.0	6.7	0.0
7	.0	.5	.8	.0	.0	.0	1.3	0.0
8-9	.0	.2	.2	.0	.0	.0	.4	0.0
10-11	.0	.0	.1	.1	.0	.0	.2	0.0
12	.0	.0	.0	.1	.0	.0	.0	0.0
13-16	.0	.0	.0	.0	.0	.0	.0	0.0
17-19	.0	.0	.0	.0	.0	.0	.0	0.0
20-22	.0	.0	.0	.0	.0	.0	.0	0.0
23-25	.0	.0	.0	.0	.0	.0	.0	0.0
26-32	.0	.0	.0	.0	.0	.0	.0	0.0
33-40	.0	.0	.0	.0	.0	.0	.0	0.0
41-48	.0	.0	.0	.0	.0	.0	.0	0.0
49-60	.0	.0	.0	.0	.0	.0	.0	0.0
61-70	.0	.0	.0	.0	.0	.0	.0	0.0
71-86	.0	.0	.0	.0	.0	.0	.0	0.0
87+	.0	.0	.0	.0	.0	.0	.0	0.0
TOT PCT	15.6	67.4	16.5	.4	.1	.0	100.0	1944

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.2	18.5	17.0	6.4	1.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2739	3
6-7	.2	2.9	9.5	7.0	2.9	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1304	4
8-9	.0	.9	3.0	3.9	1.2	.7	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	556	5
10-11	.0	.6	1.0	1.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	190	5
12-13	.0	.0	.9	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	4
13	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	541	2
TOTAL	629	1327	1814	1107	374	126	54	11	8	5	1	1	0	0	0	0	0	0	0	5457	3
PCT	11.5	24.3	33.2	20.3	6.9	2.3	1.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1980-1979

AUGUST

AREA 0011 PUNTA BUJICA
7.6N 83.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAD	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIR	PCPN AT DB TIME	PCPN PAST HOUR	THDR LING	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLKG DUST	NO SIG BLKG SNOW	SEA	
N	11.9	6.0	6.0	.0	.0	.0	.0	23.1	10.5	4.2	.0	.0	.0	.0	.0	62.5	
NE	10.1	2.8	6.9	.0	.0	.0	.0	17.1	6.7	4.8	.7	.0	.0	.0	.0	71.3	
E	10.5	4.1	1.0	.0	.0	.0	.0	15.6	8.8	5.6	.0	.0	1.0	.0	.5	68.0	
SE	6.8	4.5	3.7	.0	.0	.0	.0	14.4	7.2	3.7	.1	.0	.0	.1	.0	75.3	
S	8.7	4.4	3.1	.0	.0	.0	.1	15.5	8.9	3.0	.2	.0	.0	.4	.0	72.2	
SW	10.0	4.7	3.2	.0	.0	.0	.0	17.4	8.5	4.1	.2	.0	.0	.2	.1	69.6	
W	8.8	4.5	2.0	.0	.0	.0	.0	14.9	7.4	3.7	.2	.0	.1	.0	.0	74.1	
NW	10.0	5.1	2.5	.0	.0	.0	.0	17.5	5.8	4.4	.2	.0	.2	.0	.0	72.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.5	2.7	2.5	.0	.0	.0	.0	7.2	4.6	4.6	.0	.0	.0	.2	.0	83.5	
TOT PCT	8.9	4.5	2.8	.0	.0	.0	.0	15.7	7.7	3.9	.2	.0	.2	.1	.1	72.7	
TOT OBS:	7597																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHAD	DRZL	FRZG PCPN	SNOW PCPN	OTHER FRZG PCPN	HAIR	PCPN AT DB TIME	PCPN PAST HOUR	THDR LING	FOG PCPN	FOG NO PCPN	SMOKE HAZE	SPRAY BLKG DUST	NO SIG BLKG SNOW	SEA	
0000	7.6	4.6	2.3	.0	.0	.0	.1	14.2	5.7	3.2	.4	.0	.1	.2	.2	74.7	
0600	8.7	3.6	3.9	.0	.0	.0	.0	15.8	7.3	10.3	.2	.0	.4	.0	.0	66.7	
1200	10.6	5.6	2.5	.0	.0	.0	.0	18.3	9.3	3.2	.2	.0	.1	.0	.0	69.3	
1800	8.8	4.0	2.7	.0	.0	.0	.0	14.9	8.1	1.1	.1	.0	.3	.1	.1	75.8	
TOT PCT	9.0	4.5	2.6	.0	.0	.0	.0	15.8	7.7	4.0	.2	.0	.2	.1	.1	72.5	
TOT OBS:	7555																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.7	1.0		.1	.0	.0		2.7	6.9	1.8	1.2	3.3	3.7	3.6	3.3	2.4	1.9	
NE	.1	1.0		.0	.0	.0		1.8	6.5	1.4	.7	1.7	2.1	2.2	4.3	1.8	1.7	
E	.8	1.7		.0	.0	.0		2.6	6.5	2.1	4.2	3.9	1.3	2.2	2.4	2.6	1.0	
SE	1.0	3.4	.6	.0	.0	.0		5.1	6.9	3.8	3.9	6.3	3.1	4.5	5.9	6.0	5.3	
S	2.2	10.3	1.7	.0	.0	.0		14.3	7.0	15.3	18.8	13.4	15.3	11.2	14.0	15.9	16.5	
SW	2.7	19.9	6.1	.1	.0	.0		28.9	8.3	33.7	31.7	26.2	27.8	27.0	20.9	28.2	34.3	
W	2.4	21.4	6.7	.1	.0	.0		30.7	8.5	32.7	25.7	29.4	31.9	30.6	32.0	30.0	30.7	
NW	.8	5.3	1.5	.0	.0	.0		7.7	7.9	4.8	8.1	8.6	7.5	11.0	10.9	6.8	4.8	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.3							6.3	.0	4.3	5.6	7.2	7.4	7.6	6.4	6.5	3.7	
TOT OBS	1510	5722	1540	32	.0	.0	8806		7.4	1987	142	1580	254	1997	188	2384	272	
TOT PCT	17.1	65.0	17.5	.4	.0	.0		100.0		100.0	100.0	102.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	1.5	1.1	.1	.0	.0			2.7	6.9	1.7	3.4	3.6	2.4	
NE	1.1	.7	.0	.0	.0			1.8	6.5	1.4	1.7	2.4	1.8	
E	1.6	.9	.0	.0	.0			2.6	6.5	2.2	3.6	2.2	2.4	
SE	2.8	2.2	.1	.0	.0			5.1	6.9	3.8	5.1	4.6	5.9	
S	7.6	6.3	.4	.0	.0			14.3	7.0	15.3	13.7	11.5	16.0	
SW	11.4	16.5	1.0	.0	.0			28.9	8.3	33.6	26.4	26.5	28.8	
W	11.9	17.5	1.2	.0	.0			30.7	8.5	32.3	29.7	30.8	30.0	
NW	3.5	4.0	.2	.0	.0			7.7	7.9	5.0	8.5	11.0	6.8	
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
CALM	6.3							6.3	.0	4.4	7.2	7.5	6.2	
TOT OBS	4203	4330	268	.7	.0	8806			7.4	2129	1838	2185	2656	
TOT PCT	47.7	49.2	3.0	.1	.0			100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1989-1979

AUGUST

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000Z	4.4	9.5	65.9	19.7	.4	.1	.0	7.9	100.0	2129
0600Z	7.2	10.1	65.3	17.2	.2	.0	.0	7.3	100.0	1838
1200Z	7.5	11.1	64.3	16.7	.3	.0	.0	7.2	100.0	2185
1800Z	6.2	12.3	64.5	16.5	.5	.0	.0	7.3	100.0	2656
TOT	554	956	5722	1540	32	4	0	7.4		8808
PCT	6.3	10.9	65.0	17.5	.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	C-2	3-4	5-7	8 & 6	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.1	.4	1.1	1.2	6.5	
NE	.1	.2	.7	.8	6.6	
E	.1	.2	1.2	1.0	6.5	
SE	.3	.8	2.1	1.4	6.2	
S	.5	1.5	7.0	5.2	6.4	
SW	.6	2.7	12.7	12.9	6.7	
W	1.0	3.2	14.4	12.1	6.5	
NW	.3	.9	3.6	2.9	6.4	
VAR	.0	.0	.3	.0	5.9	
CALM	.4	1.0	3.4	1.6	5.9	
TOT OBS	210	670	2651	2453	6184	6.5
TOT PCT	3.4	10.8	46.1	39.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT./M) AND OCCURRENCE OF AM (5/8) BY WIND DIRECTION

CEILING	100	150	300	600	1000	2000	3500	5000	6500	8000+	AM (5/8)	TOTAL
FT./M	149	299	599	949	1499	2499	4999	6499	7999			OBS
N	.0	.1	.3	.4	.5	.2	.0	.0	.0	.0	1.4	
NE	.0	.0	.0	.3	.4	.1	.0	.0	.0	.0	.6	
E	.0	.0	.3	.3	.4	.2	.0	.0	.0	.0	1.2	
SE	.0	.0	.2	.9	.8	.3	.1	.0	.0	.0	2.6	
S	.2	.2	.6	2.3	3.0	1.2	.4	.1	.0	.0	6.3	
SW	.5	.2	1.4	5.6	5.8	1.8	.8	.2	.1	.1	12.7	
W	.6	.4	1.2	4.7	6.2	2.1	.9	.1	.1	.1	14.1	
NW	.2	.1	.2	1.4	1.2	.4	.1	.1	.0	.0	3.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.6	1.4	.4	.2	.0	.0	.0	3.9	
TOT OBS	95	63	291	1024	1189	413	153	37	13	13	6184	
TOT PCT	1.5	1.0	4.7	16.6	19.2	6.7	2.5	.6	.2	.2	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 5/8) AND VISBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.4	.4	.4	.4	.4	.4	.4	.4
= OR >5000	.4	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1
= OR >3500	3.0	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5
= OR >2000	8.4	9.8	9.9	10.0	10.0	10.0	10.0	10.0	10.0
= OR >1000	24.1	28.5	29.0	29.2	29.3	29.3	29.3	29.3	29.3
= OR >600	35.3	43.5	45.1	45.5	45.6	45.6	45.7	45.7	45.7
= OR >300	37.8	47.3	49.5	50.0	50.1	50.2	50.3	50.4	50.4
= OR >150	38.3	48.1	50.5	51.0	51.1	51.2	51.4	51.4	51.4
= OR >0	34.9	49.0	51.7	52.3	52.5	52.7	52.8	52.9	52.9
TOTAL	2484	3126	3300	3339	3349	3359	3371	3373	3373

TOTAL NUMBER OF OBS: 6379

PCT FREQ NM (5/8): 47.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
.0	4.7	11.1	14.8	15.1	10.4	12.4	17.3	19.5	.9	6747

AREA OC11 PUNTA BURICA
7.6h 83.5m

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSOY (M)	%	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OF*
C1/2	PCP	.0	.0	.0	.	.1	.1	.1	.0	.	.3	
	NO PCP	.0	.0	.	.	.0	.0	.0	.0	.	.1	
	TOT %	.	.0	.	.1	.1	.1	.1	.0	.	.4	
1/2<1	PCP	.0	.0	.0	.	.1	.1	.	.0	.	.2	
	NO PCP	.0	.0	.0	T	.	.0	.	.0	.	.	
	TOT %	.0	.0	.0	T	.	.1	.	.0	.	.2	
1<2	PCP	.	.	.	.1	.2	.3	.	.0	.	.8	
	NO PCP	.	.	.	.1	.1	.	.0	.0	.	.3	
	TOT %	.	.1	.1	.2	.3	.3	.	.0	.	1.1	
2<3	PCP	.2	.1	.1	.2	.6	.7	.3	.0	.	2.2	
	NO PCP	.	.	.1	.2	.4	.2	.1	.0	.	1.1	
	TOT %	.2	.1	.2	.5	1.0	.9	.4	.0	.1	3.4	
3<4	PCP	.2	.1	.1	.2	.9	1.6	.4	.0	.1	6.0	
	NO PCP	.2	.2	.3	.4	2.2	3.1	.9	.6	.5	9.4	
	TOT %	.4	.2	.5	.7	2.1	5.3	4.7	1.0	.6	15.4	
4<5	PCP	.3	.1	.1	.3	.9	1.9	1.6	.6	.0	6.0	
	NO PCP	1.9	1.2	1.7	3.9	10.4	20.4	22.9	5.6	.0	51.5	
	TOT %	2.1	1.5	1.9	4.3	11.3	22.3	24.5	6.2	.0	57.5	
TOT QWS												TSFO
TOT PCT		2.7	1.9	2.5	5.2	14.1	29.0	30.6	7.6	.0	6.3	100.0

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VS3Y (4M)	SPD RTS	K	MC	E	SE	S	SW	M	NM	VAR	CALM	PCT	TOTAL CBS
1/2	0-3	.0	.0	.0	.	.	.	.0	.0	.	.	.1	
	4-10	.	.0	.0	.0	.1	.1	.1	.1	.0	.	.3	
	11-21	.0	.0	.0	.	.	.	.0	.	.0	.	.1	
	22+	.0	.0	.0	.	.	.0	.0	.0	.0	.	.	
	TOT %	.	.0	.0	.	.1	.1	.1	.1	.0	.	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	4-10	.0	.0	.0	.0	.	.	.	.	.0	.	.	
	11-21	.0	.0	.0	.0	.0	.1	.	.0	.0	.	.1	
	22+	.0	.0	.0	.	.	.0	.0	.0	.0	.	.	
	TOT %	.0	.0	.0	.	.	.1	.1	.	.0	.	.2	
1<2	0-3	.0	.	.0	.0	.	.	.	.0	.0	.	.1	
	4-10	.	.	.1	.1	.1	.1	.0	.0	.0	.	.6	
	11-21	.	.	.0	.	.1	.1	.	.0	.	.	.4	
	22+	.0	.0	.0	.	.	.	.0	.0	.0	.	.1	
	TOT %	.	.1	.1	.1	.2	.3	.3	.	.0	.	1.1	
2<5	0-3	.0	.	.	.	.1	.1	.	.	.0	.1	.4	
	4-10	.1	.	.1	.1	.4	.6	.7	.2	.0	.	2.2	
	11-21	.1	.	.1	.1	.4	.	.4	.2	.0	.	1.3	
	22+	.0	.0	.0	.0	.	.	.0	.0	.0	.	.	
	TOT %	.2	.1	.2	.2	.5	1.1	1.0	.4	.0	.1	3.4	
5<10	0-3	.	.	.1	.1	.2	.3	.1	.0	.	.6	1.7	
	4-10	.3	.2	.3	.4	1.3	3.2	2.7	.6	.0	.	9.0	
	11-21	.	.	.1	.	.5	1.7	1.6	.3	.	.	4.0	
	22+	.	.	.0	.	.	.	.	.0	.0	.	.1	
	TOT %	.4	.2	.5	.7	2.1	5.2	4.6	1.0	.0	.6	15.2	
10<	0-3	.7	.2	.5	.9	1.9	2.9	2.2	.7	.0	5.6	15.0	
	4-10	1.1	1.1	1.2	2.4	8.2	15.6	17.6	.3	.0	52.1		
	11-21	.2	.1	.2	.4	1.1	4.0	4.7	1.1	.0	11.6		
	22+	.1	.	.0	.0	.	.	.1	.	.0	.2		
	TOT %	2.0	1.4	1.8	4.2	11.2	22.2	24.5	6.1	.0	5.6	79.1	
TOT CBS													7925
TOT PCT													2.7 1.8 2.5 5.2 14.1 29.6 36.7 7.4 6.3 100.0

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1889-1979AREA 0011 PUNTA BUNICA
7.4N 83.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, AM 24/24) AND
OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	2000	2150	TOTAL	AM <5/8 ANY	TOTAL OBS
00003	.9	.9	5.1	15.2	17.7	6.5	2.5	.6	.2	.2	49.6	50.2	1702					
06009	1.6	1.1	5.9	17.5	20.6	8.6	1.9	.8	.3	.4	54.3	47.7	1224					
12015	2.1	1.1	4.7	16.9	19.0	6.3	2.5	.5	.2	.1	52.5	47.1	1703					
18021	1.5	.9	4.4	15.6	19.0	6.3	2.6	.6	.1	.1	51.2	47.8	1695					
TOT	99	65	298	1047	1231	421	156	41	13	13	3386	3136	6524					
PCT	1.5	1.0	4.6	16.0	18.9	6.5	2.4	.6	.2	.2	51.9	47.1	100.0					

TABLE 11

PERCENT FREQUENCY VSVP (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.5	.2	.9	2.3	12.6	83.3	1978
06009	.3	.2	.9	3.6	17.3	77.5	1687
12015	.5	.3	1.5	4.3	16.5	76.8	2080
18021	.7	.3	1.1	4.6	16.4	76.8	2044
TOT	43	20	62	313	1242	6479	8189
PCT	.5	.2	1.1	3.6	15.7	79.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSVP (NM) AND/OR
CEILING HGT (FEET, AM 24/24) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ FMS+	AM <5/8 AND 5+	TOTAL OBS
00003	.9	7.2	23.3	27.9	48.6	1663
06009	1.7	6.8	25.7	36.2	49.2	1154
12015	2.2	8.5	26.4	27.9	45.7	1610
18021	1.5	7.2	24.1	28.3	47.7	1658
TOT	98	475	1542	1415	2982	6376
PCT	1.5	7.4	24.6	28.5	46.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	.1	.0	.0	21	.1
85/89	.0	.0	.0	.0	.8	2.9	1.1	.2	334	5.0
80/84	.0	.0	.0	.0	.5	14.3	31.4	6.3	3536	52.6
75/79	.0	.0	.0	.0	.0	1.6	19.2	19.5	2711	40.4
70/74	.0	.0	.0	.0	.0	.0	.2	1.3	99	1.5
65/69	.0	.0	.0	.0	.0	.0	.0	.0	2	.0
TOTAL	0	0	0	9	96	1279	3490	1830	6703	100.0
PCT	.0	.0	.0	.1	1.4	19.1	52.1	27.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALC
90	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0
85	.1	.1	.1	.4	.7	1.1	1.6	.4	.0	.5
80	1.4	.9	1.3	2.5	7.7	14.7	16.7	1.7	.0	3.9
75	1.2	.6	1.0	1.6	5.5	13.3	11.8	3.1	.0	2.1
70	.1	.1	.1	.2	.1	.4	.4	.1	.0	.1
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT	2.6	1.7	2.6	4.9	14.0	29.4	30.7	7.3	.0	6.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	P4	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	94	66	84	80	76	74	66	80.0	2166
06009	88	84	82	79	76	74	70	79.2	1904
12015	87	84	82	79	75	73	69	79.2	2257
18021	94	89	86	81	76	73	70	81.3	2774
TOT	94	87	85	80	76	74	66	80.0	9245

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.1	.6	70.4	54.8	24.0	85	1732		
06009	.0	.0	.6	16.2	57.2	31.9	87	1015		
12015	.0	.1	.2	10.4	55.4	33.6	87	1788		
18021	.0	.3	3.9	72.3	41.4	21.6	83	1990		
TOT	0	0	1.6	1324	3544	1906	85	6925		

AUGUST

PERIOD: (PPHMAP) 1951-1974
(OVER-ALL) 1960-1975

TABLE 17

AREA 7011 PLATA RUMICA
7.6A 63.00PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIFF	65 64	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	+0 FOG
11/12	.0	.0	.0	.0	.0	.0	.0	.0	7	.0	.1
9/10	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.1
7/8	.0	.0	.0	.0	.0	.0	.0	.0	34	.0	.1
5	.0	.0	.0	.0	.0	.0	.0	.0	24	.0	.1
4	.0	.0	.0	.0	.0	.0	.0	.0	46	.0	.1
3	.0	.0	.0	.0	.0	.0	.0	.0	93	.0	1.1
2	.0	.0	.0	.0	.0	.0	.0	.0	117	.0	1.6
1	.0	.0	.0	.0	.0	.0	.0	.0	271	.0	3.4
0	.0	.0	.0	.0	.0	.0	.0	.0	303	.0	4.2
-1	.0	.0	.0	.0	.0	.0	.0	.0	704	.0	9.4
-2	.0	.0	.0	.0	.0	.0	.0	.0	799	.1	11.1
-3	.0	.0	.0	.0	.0	.0	.0	.0	1191	.1	16.5
-4	.0	.0	.0	.0	.0	.0	.0	.0	1693	.1	25.3
-5	.0	.0	.0	.0	.0	.0	.0	.0	487	.0	12.6
-6	.0	.0	.0	.0	.0	.0	.0	.0	651	.0	9.1
-7	.0	.0	.0	.0	.0	.0	.0	.0	340	.0	5.3
-8	.0	.0	.0	.0	.0	.0	.0	.0	361	.0	5.3
-9	.0	.0	.0	.0	.0	.0	.0	.0	115	.0	1.6
-10	.0	.0	.0	.0	.0	.0	.0	.0	37	.0	.6
-11	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
TOTAL	1	20	558	1591	351	4	4	4	7125	1.4	71.1
PCT	.0	.3	7.4	52.6	36.0	6.4	.5	.1	100.0	.2	79.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19-20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27-28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29-30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35-36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37-38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43-44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45-46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53-54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55-56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57-58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63-64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65-66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67-68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73-74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75-76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77-78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79-80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81-82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83-84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87-88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89-90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93-94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95-96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97-98	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99-100	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.0	.0	.0	.0	2.6	.2	1.5	.1	.1	.0	.0	1.8

PERIOD: (OVER-ALL) 1963-1979

AUGUST

AREA (MI) PUNTA GURICA
7.6N 83.0E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.5	.0	.0	.0	.0	2.1	1.3	2.5	.1	.0	.0	.0	3.9
1-2	.8	6.8	.7	.0	.0	.0	7.9	1.0	14.6	2.0	.0	.0	.0	15.7
3-4	.3	2.7	1.1	.0	.0	.0	4.1	.4	4.5	2.9	.0	.0	.0	7.7
5-6	.0	.8	.8	.1	.0	.0	1.7	.1	1.3	1.3	.0	.0	.0	2.7
7	.0	.0	.2	.0	.0	.0	.2	.0	.2	.5	.0	.0	.0	.4
8-9	.0	.0	.2	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	11.3	2.7	.1	.0	.0	15.9	2.6	19.4	7.0	.0	.0	.0	29.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.8	3.4	.1	.0	.0	.0	4.3	.5	1.1	.0	.0	.0	.0	1.7	
1-2	.7	11.1	2.3	.0	.0	.0	14.1	.2	2.0	.1	.0	.0	.0	3.4	
3-4	.2	4.9	3.1	.0	.0	.0	8.2	.0	1.1	.5	.0	.0	.0	1.6	
5-6	.0	.9	1.4	.0	.0	.0	2.3	.0	.2	.3	.0	.0	.0	.5	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	20.3	6.2	.1	.0	.0	30.4	.8	5.6	1.4	.0	.0	.0	7.2	93.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OES
<1	11.8	10.6	.3	.0	.0	.0	22.7	
1-2	3.8	33.7	6.0	.0	.0	.0	43.5	
3-4	1.1	14.4	8.1	.0	.0	.0	23.6	
5-6	.2	3.2	4.3	.1	.0	.0	8.0	
7	.0	.2	1.5	.1	.0	.0	1.8	
8-9	.0	.1	.2	.0	.0	.0	.3	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.8	62.3	20.6	.3	.0	.0	100.0	2075

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.8	17.2	17.1	4.5	1.7	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2787	3
6-7	.2	2.4	9.1	8.4	2.8	1.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1399	4
8-9	.1	.8	3.5	3.3	1.7	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	582	5
10-11	.0	.5	1.2	.9	.7	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	216	5
12-13	.0	.0	.9	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	5
>13	.0	.0	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	6
INDEX	5.2	1.5	2.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	590	2
TOTAL	61.4	128.0	193.6	121.1	43.6	13.5	.4	2.0	1.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	5716	3
PCT	11.1	22.4	33.9	21.2	7.6	2.4	.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

 PERIOD: (PRIMARY) 1951-1970
 (OVER-ALL) 1980-1979

 AREA 0011 PUNTA BURICA
 7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HP	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA		
N	11.5	6.3	3.3	.0	.0	.0	.0	21.1	10.8	4.9	.0	.0	.0	.0	64.4		
NE	15.6	8.9	.3	.0	.0	.0	.0	24.7	8.7	4.5	.0	.0	.0	1.0	62.0		
E	10.6	4.8	2.7	.0	.0	.0	.0	17.6	6.2	5.6	.0	.0	.0	.0	71.2		
SE	8.9	4.8	2.7	.0	.0	.0	.0	16.2	6.9	4.7	.1	.0	.0	.1	73.3		
S	10.1	5.3	3.2	.0	.0	.0	.1	18.3	7.8	5.0	.4	.0	.5	.2	70.5		
SW	11.0	5.1	3.5	.0	.0	.0	.0	19.1	8.1	4.2	.3	.0	.0	.1	68.9		
W	8.6	6.3	2.4	.0	.0	.0	.0	17.0	8.5	4.0	.4	.0	.0	.1	70.6		
NW	8.8	4.1	3.0	.0	.0	.0	.0	15.9	7.6	4.7	.2	.2	.0	.1	72.2		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	3.6	2.2	1.4	.0	.0	.0	.0	7.2	5.5	6.6	.0	.0	.6	.0	40.7		
TOT PCT	9.5	5.4	2.6	.0	.0	.0	*	17.4	8.0	4.2	.3	*	.1	.1	70.5		
TOT OBS:	7408																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HP	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA		
00003	8.6	5.2	2.2	.0	.0	.0	.0	15.6	6.5	4.2	.2	.0	.2	.3	73.5		
06009	7.9	4.4	3.8	.0	.0	.0	.0	15.9	7.9	9.4	.1	.0	.1	.1	67.7		
12015	10.8	7.1	3.5	.0	.0	.0	.0	21.2	10.1	4.0	.3	.1	.1	.1	65.5		
18021	10.3	4.8	2.1	.0	.0	.0	*	16.9	7.5	.9	.6	.0	.1	.1	74.3		
TOT PCT	9.5	5.4	2.6	.0	.0	.0	*	17.4	8.0	4.3	.3	*	.1	.1	70.5		
TOT OBS:	7667																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED > 6Y HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	1.5	.3	*	.0	.0		2.3	6.9	.4	2.2	2.6	.2	3.8	2.7	2.6	1.5	
NE	.2	.8	.1	*	.0	.0		1.2	7.1	.8	.0	1.8	.4	1.6	.7	1.0	.9	
E	.5	1.7	.3	*	.0	.0		2.5	6.7	1.6	1.8	2.5	.4	3.3	2.9	3.1	1.7	
SE	.6	3.5	.6	*	.0	.0		4.7	7.2	5.1	3.9	4.9	2.4	3.8	3.5	5.5	3.8	
S	1.4	8.3	2.1	.1	.0	.0		11.9	7.8	12.9	16.4	11.4	12.1	9.0	14.5	12.7	16.2	
SW	2.0	19.3	8.5	.1	.0	.0		29.9	9.0	34.7	26.4	25.9	32.9	26.0	28.7	31.3	36.4	
W	2.3	21.9	10.6	.2	*	.0		35.1	9.3	36.6	37.6	36.5	38.5	36.3	31.7	32.3	28.9	
NW	.6	5.1	1.6	*	.0	.0		7.4	8.4	4.2	7.0	7.4	7.6	11.1	11.3	6.8	6.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	5.0							5.0	.0	3.6	4.9	6.9	5.3	5.1	3.9	4.8	4.5	
TOT OBS	1209	5712	2229	50	1	0	9201		8.2	2042	185	1743	242	2033	205	2440	291	
TOT PCT	13.1	62.1	24.2	.5	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	1.3	1.0	*	.0	.0		2.3	6.9	.4	2.3	3.7	2.5		
NE	.6	.5	*	.0	.0		1.2	7.1	.8	1.6	1.5	1.0		
E	1.5	1.0	*	.0	.0		2.5	6.7	1.6	2.2	3.3	2.9		
SE	2.4	2.0	.1	*	.0		4.7	7.2	5.0	4.6	3.8	5.3		
S	5.4	6.0	.5	.0	.0		11.9	7.8	13.1	11.5	9.5	13.1		
SW	10.0	18.7	1.2	.0	.0		29.9	9.0	34.0	26.8	24.7	31.4		
W	11.1	22.3	1.6	*	.0		35.1	9.3	36.6	36.8	35.8	31.9		
NW	2.8	4.4	.3	.0	.0		7.4	8.4	4.5	7.5	11.1	6.8		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	5.0						5.0	.0	3.7	6.7	5.0	4.7		
TOT OBS	3693	5154	347	7	0	9201		8.2	2227	2005	2238	2731		
TOT PCT	40.1	56.0	3.8	.1	.0		100.0		100.0	100.0	100.0	100.0		

SEPTEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1880-1979AREA 0011 PUNTA BUNICA
7.6N 83.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	3.7	7.3	62.2	26.3	.5	0	.0	8.6	100.0	2227
0600	6.7	6.5	62.6	23.7	.4	.0	.0	8.1	100.0	2065
1200	5.0	8.5	62.2	23.5	.6	.0	.0	8.2	100.0	2238
1800	4.7	9.8	61.5	23.3	.7	.0	.0	8.1	100.0	2731
TOT	457	752	5712	2229	50	1	0	8.2		9701
PCT	5.0	8.2	62.1	24.2	.5	0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN CLOUD COVER
N	.1	.3	.9	1.1		6.6
NE	0	.2	.4	.7		6.9
E	.1	.2	.9			6.5
SE	.1	.5	1.6			6.5
S	.2	1.1	5.0			6.6
SW	.5	2.4	14.2	13.0		6.7
W	1.0	3.3	16.4	14.7		6.6
NW	.3	.7	3.7	2.7		6.5
VAR	.0	.0	.0	.0		.0
CALM	.4	.9	2.2	1.4		5.7
TOT OBS	166	610	2923	2583	6282	6.6
TOT PCT	2.6	9.7	46.5	41.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL	MEAN CLOUD COVER	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8	TOTAL
N	.1	.3	.9	1.1		6.6	.1	.0	.2	.3	.6	.2	0	.1	.0	.0	1.0	
NE	0	.2	.4	.7		6.9	0	0	.1	.2	.3	.2	0	0	0	.0	.5	
E	.1	.2	.9			6.5	.0	0	.1	.4	.5	.1	.1	.1	0	.0	.9	
SE	.1	.5	1.6			6.5	0	0	.3	1.2	.9	.2	.1	.0	0	.0	1.9	
S	.2	1.1	5.0			6.6	.2	.1	.7	2.2	2.3	.7	.3	.1	0	.0	5.0	
SW	.5	2.4	14.2	13.0		6.7	.5	.3	2.0	5.5	6.4	2.0	.7	.2	.1	.2	12.4	
W	1.0	3.3	16.4	14.7		6.6	.6	.5	2.1	6.4	6.8	2.5	.7	.2	.2	.4	15.5	
NW	.3	.7	3.7	2.7		6.5	.1	.1	.3	1.3	1.3	.5	.2	.1	0	.0	3.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4	.9	2.2	1.4		5.7	.1	0	.1	.5	.7	.4	0	0	0	.6	2.9	
TOT OBS	166	610	2923	2583	6282	6.6	95	64	366	1136	1247	425	136	47	22	17	2732	6282
TOT PCT	2.6	9.7	46.5	41.1	100.0		1.5	1.0	5.8	18.1	19.9	6.4	2.2	.7	.4	.3	43.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >0
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000				
≥ OR >6500	.4	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6
≥ OR >5000	1.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
≥ OR >3500	2.6	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
≥ OR >2000	7.9	9.4	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ OR >1000	21.4	28.3	29.6	29.6	29.9	29.9	30.0	30.0	30.0	30.0	30.0
≥ OR >600	35.6	45.3	47.2	47.2	47.6	47.9	47.9	47.9	47.9	48.0	48.0
≥ OR >300	38.3	50.3	52.4	52.4	52.3	52.6	52.7	52.8	52.8	53.6	53.6
≥ OR >150	38.7	51.1	53.7	53.7	54.3	54.6	54.7	54.8	54.8	54.8	54.8
≥ OR >0	38.9	52.0	54.9	54.9	55.6	56.0	56.1	56.2	56.3	56.3	56.3
TOTAL	2483	3317	3502	3502	3546	3573	3581	3587	3589	3589	3589

TOTAL NUMBER OF OBS: 6378

PCT FREQ NM <5/8: 43.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	00%CD	TOTAL OBS
.7	3.7	9.7	14.1	15.0	10.1	12.9	11.0	22.0	.9	6766	

SEPTEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1980-1979

AREA CC11 PUNTA BUKICA
7.6N 83.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL Obs
<1/2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
1<2	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
2<5	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
5<10	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
10+	PCP	0	0	0	0	0	0	0	0	0	0	0	0
	NO PCP	0	0	0	0	0	0	0	0	0	0	0	0
	TOT %	0	0	0	0	0	0	0	0	0	0	0	0
7771													
TOT OBS													
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL Obs
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
2<5	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
5<10	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
10+	0-3	0	0	0	0	0	0	0	0	0	0	0	0
	4-10	0	0	0	0	0	0	0	0	0	0	0	0
	11-21	0	0	0	0	0	0	0	0	0	0	0	0
8241													
TOT OBS													
TOT PCT													

SEPTEMBER

PERIOD: (PRIMARY) 1951-1976
(OVER-ALL) 1880-1979

AREA 0211 PUNTA BUJICA
7.6N 83.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NH <5/8 AMT. OBT	TOTAL OBS
00003	1.3	.6	5.6	18.2	20.3	7.0	2.0	.5	.4	.5	56.7	47.3	1711				
06009	1.9	.6	5.6	18.6	21.1	5.3	2.3	.2	.2	.3	56.5	43.5	1292				
12015	1.5	1.8	6.4	16.1	16.0	6.7	1.4	.6	.1	.1	54.9	41.1	1675				
18021	1.3	.7	5.3	16.0	19.0	7.0	2.6	1.0	.6	.3	53.6	44.2	1862				
TOT	.97	.64	376	1152	1276	433	138	44	22	19	3621	2439	6546				
PCT	1.5	1.0	5.7	17.6	19.5	6.6	2.1	.7	.3	.3	55.4	44.6	100.0				

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.2	.3	.6	3.3	18.2	77.3	2650
06009	.4	.3	1.1	4.0	18.4	75.8	1846
12015	.5	.7	1.2	4.5	19.7	73.5	2084
18021	.5	.9	1.5	4.9	15.5	76.8	2427
TOT	33	46	94	254	1496	6386	8407
PCT	.4	.6	1.1	4.2	17.8	75.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET) BY HOUR

HOUR (GMT)	<150 CEILING	<600 CEILING	<1000 CEILING	<1000 VSRY	NH <5/8 AND 5+	TOTAL OBS
00003	1.2	7.8	27.7	36.0	42.3	1669
06009	2.1	8.9	31.3	24.1	41.5	1256
12015	1.5	10.0	30.0	25.9	44.1	1631
18021	1.4	8.0	26.1	29.1	44.7	1819
TOT	96	551	1809	1867	2762	6378
PCT	1.5	8.6	26.4	26.3	43.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	.0	.0	.0	16	.2
85/89	.0	.0	.0	.0	.8	3.0	.6	.3	335	4.6
80/84	.0	.0	.0	.1	.9	12.4	27.4	5.9	3251	46.7
75/79	.0	.0	.0	.0	.0	1.9	21.9	22.5	3245	46.6
70/74	.0	.0	.0	.0	.0	.0	.1	1.6	117	1.7
65/69	.0	.0	.7	.0	.0	.0	.0	.0	1	.0
TOTAL	0	0	0	9	127	1211	3486	2132	6565	100.0
PCT	.0	.0	.0	.1	1.8	17.4	50.1	30.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
85/89	.1	.0	.2	.3	.5	1.2	1.7	.4	.0	.4
80/84	.9	.5	1.2	2.4	5.3	13.2	17.1	3.4	.6	2.8
75/79	1.4	.6	1.1	1.8	5.4	15.2	18.4	1.2	.0	1.5
70/74	.1	.1	.1	.2	.2	.4	.5	.1	.0	.1
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	2.4	1.1	2.5	4.7	11.4	30.1	35.6	7.2	.0	4.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	89	86	83	80	76	73	68	74.6	2254
06009	86	84	82	79	76	74	66	79.0	2041
12015	89	85	82	79	75	73	68	78.9	2272
18021	95	89	86	81	75	74	69	81.0	2740
TOT	95	87	84	80	75	73	66	79.7	9307

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.1	.9	16.9	56.7	25.4	85	1785
06009	.0	.0	.6	9.5	56.4	33.5	67	1538
12015	.0	.1	.7	10.6	50.1	39.1	87	1797
18021	.7	.2	4.5	10.1	39.7	25.4	83	2608
TOT	0	9	126	1231	3578	2182	86	7128

PERIOD: (PRIMARY) 1951-1976
(OVER-ALL) 1980-1979

SEPTEMBER

1966 17

AREA 0011 PUNTA BURICA
7.6N 83.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	90 92	TOT	% FOG	% FOG
11/13	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.1	.0	19	.0	.3
7/8	.0	.0	.0	.1	.0	.2	.1	.0	35	.0	.5
6	.0	.0	.0	.0	.1	.2	.1	.0	32	.0	.4
5	.0	.0	.0	.1	.2	.5	.1	.0	58	.0	.8
4	.0	.0	.0	.1	.5	.6	.0	.0	93	.0	1.3
3	.0	.0	.0	.2	.7	.8	.0	.0	123	.0	1.7
2	.0	.0	.0	.5	2.3	.8	.0	.0	259	.0	3.6
1	.0	.0	.1	.6	2.9	.7	.0	.0	307	.0	4.3
0	.0	.0	.1	3.4	6.3	.3	.0	.0	726	.1	10.1
-1	.0	.0	.2	5.6	5.1	.3	.0	.0	798	.1	11.1
-2	.0	.0	.3	10.4	6.1	.1	.0	.0	1209	.0	16.9
-3	.0	.0	.4	10.4	3.1	.0	.0	.0	948	.0	13.9
-4	.0	.0	.5	9.6	2.1	.0	.0	.0	941	.0	13.1
-5	.0	.0	.5	6.3	.8	.0	.0	.0	612	.0	8.6
-6	.0	.0	.4	3.6	.2	.0	.0	.0	376	.0	5.2
-7/-8	.0	.0	.2	2.8	.1	.0	.0	.0	391	.0	5.5
-9/-10	.0	.1	1.1	.5	.1	.0	.0	.0	128	.0	1.8
-11/-13	.0	.1	.3	.2	.0	.0	.0	.0	36	.0	.5
-14/-16	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
TOTAL	1	15	67	3407	2190	333	30	1	7151	22	71.9
PCT	.0	.2	9.4	54.6	30.6	4.7	.4	.0	100.0	.3	59.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 16

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.6	.1	.3	.0	.0	.0	.0	.3
1-2	.1	.6	.1	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	.6
3-4	.0	.2	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.1	.3	.0	.0	.0	1.8	.2	.6	.2	.0	.0	.0	1.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4	.1	.6	.0	.0	.0	.0	.7
1-2	.1	.7	.0	.0	.0	.0	.9	.1	2.0	.2	.0	.0	.0	2.3
3-4	.0	.0	.1	.0	.0	.0	.1	.0	.3	.2	.0	.0	.0	.6
5-6	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.2	.0	.0	.0	1.4	.2	1.0	.5	.0	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

TABLE 18 (CONT)

AREA 0711 PUNTA BURICA
7.6N 93.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	.1	.0	.0	.0	1.7	.9	3.2	.1	.0	.0	.0	4.2
1-2	.6	3.5	.6	.0	.0	.0	4.7	.8	10.1	2.4	.0	.0	.0	13.2
3-4	.0	2.4	1.1	.0	.0	.0	3.5	.2	5.5	4.5	.0	.0	.0	10.2
5-6	.0	.3	.3	.0	.0	.0	.6	.0	1.5	2.6	.2	.0	.0	4.2
7	.0	.0	.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	7.2	2.2	.1	.0	.0	10.7	1.9	20.2	9.9	.2	.0	.0	32.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.8	3.4	.1	.0	.0	.0	4.4	.2	.0	.1	.0	.0	.0	.9	
1-2	1.0	12.5	2.2	.0	.0	.0	15.7	.2	2.3	.5	.0	.0	.0	3.0	
3-4	.0	6.2	5.8	.2	.0	.0	12.2	.0	1.2	.9	.0	.0	.0	2.1	
5-6	.0	1.3	3.0	.1	.0	.0	4.5	.0	.2	.2	.0	.0	.0	.5	
7	.0	.1	1.0	.0	.0	.0	1.2	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	23.6	12.2	.4	.0	.0	38.1	.4	4.4	1.9	.0	.0	.0	6.7	96.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.7	9.7	.4	.0	.0	.0	17.9	
1-2	3.4	31.9	5.9	.0	.0	.0	41.2	
3-4	.0	15.5	12.4	.0	.0	.0	27.9	
5-6	.0	3.3	6.3	.0	.0	.0	9.6	
7	.0	.2	1.7	.1	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.7	60.8	26.9	.7	.0	.0	100.0	2126

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-50	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.1	16.0	18.5	8.1	2.2	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2693	3
6-7	.2	2.8	9.8	8.2	3.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1471	4
8-9	.0	.7	2.6	3.0	2.5	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	572	5
10-11	.0	.3	.9	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	172	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	5
15-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
INDET	3.8	1.4	2.3	1.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	548	7
TOTAL	474	1231	2009	1259	566	150	69	16	8	1	1	0	0	0	0	0	0	0	0	5786	4
PCT	8.2	21.3	34.7	21.8	9.8	2.6	1.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1974
(OYEP-ALL) 1895-1974

OCTOBER

AREA DUIS PUNTA BURICA
7.64 83.04

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN SH/H	RAIN SH/H	DRZL PCPN	FRZG PCPN	SNO PCPN	OTHER FRZG PCPN	HAIL	PCPN AT DL TIME	PCPN PAST HOUR	THOR LTNG	FOG H0 PCPN	FOG H0 PAST HP	SMOKE HAZE	SPRAY BLDG DUST BLDG SNOW	NO SIG	NO SIG
N	14.3	5.4	2.2	.0	.0	.0	.0	21.5	12.1	3.1	2.2	.0	.0	.0	.0	61.2
NE	6.2	5.2	9.3	.0	.0	.0	.0	21.6	7.7	3.6	.5	.0	.0	.0	.0	66.5
E	12.2	5.9	2.9	.0	.0	.0	.0	21.0	6.5	1.4	.0	.0	.0	.0	.0	71.1
SE	12.5	2.9	4.3	.0	.0	.0	.0	17.1	8.3	2.4	.0	.0	.0	.0	.0	72.8
S	11.3	6.2	4.6	.0	.0	.0	.0	21.9	11.1	1.9	.3	.0	.1	.0	.0	64.9
SW	13.2	6.6	4.6	.0	.0	.0	.0	23.9	10.0	1.5	.1	.0	.1	.0	.0	64.4
W	10.4	6.4	3.1	.0	.0	.0	.0	19.5	8.5	2.2	.2	.1	.2	.1	.0	69.5
NW	10.4	4.5	3.7	.0	.0	.0	.0	18.3	9.2	3.2	.0	.0	.0	.0	.0	69.9
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALP	8.5	2.4	.9	.0	.0	.0	.0	11.6	6.6	2.8	.0	.0	.0	.0	.0	78.8
TOT PCT	11.4	6.1	3.9	.0	.0	.0	.0	20.9	9.3	2.0	.2	.0	.1	.1	.1	67.5
TOT OBS	7499															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN SH/H	RAIN SH/H	DRZL PCPN	FRZG PCPN	SNO PCPN	OTHER PCPN	HAIL PCPN	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG H0 PCPN	FOG H0 PAST HP	SMOKE HAZE	SPRAY BLDG DUST BLDG SNOW	NO SIG	NO SIG
0000	6.5	5.6	3.5	.0	.0	.0	.0	18.1	8.8	2.8	.2	.1	.1	.2	64.9	
0600	10.5	4.7	4.6	.0	.0	.0	.0	21.3	6.8	4.3	.3	.0	.2	.0	65.6	
1200	14.0	6.5	4.6	.0	.0	.0	.0	24.6	10.4	1.6	.1	.1	.7	.1	63.2	
1800	11.4	5.8	3.1	.0	.0	.0	.0	20.0	8.5	.5	.2	.0	.0	.0	70.8	
TOT PCT	11.4	6.1	3.9	.0	.0	.0	.0	21.0	9.2	2.1	.2	.0	.1	.1	67.6	
TOT OBS	7461															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-5	6-10	11-20	21-30	31-40	41-50	51-60				00	03	06	09	12	15	18	21
N	.3	1.0	.2	.0	.0	.0	.0	1.5	6.9	.4	3.7	1.2	.7	2.2	2.5	1.7	1.5	
NE	.2	.9	.1	.0	.0	.0	.0	1.2	6.7	.6	2.9	1.6	1.5	1.6	1.4	.8	.7	
E	.3	1.1	.2	.0	.0	.0	.0	1.6	7.3	1.1	.0	2.4	2.5	2.1	1.9	1.4	.4	
SE	.4	1.9	.4	.0	.0	.0	.0	2.6	7.2	2.9	3.5	3.2	4.0	1.4	3.4	2.7	.4	
S	1.0	6.6	2.6	.1	.0	.0	.0	10.5	6.7	11.8	12.5	12.8	5.4	6.4	7.2	10.3	9.4	
SW	1.6	12.8	13.1	.4	.0	.0	.0	33.9	10.3	38.5	31.0	30.7	28.5	31.2	33.6	34.6	41.5	
W	2.0	22.3	13.4	.5	.0	.0	.0	38.2	10.0	37.5	38.3	35.8	41.6	40.6	34.8	38.7	35.9	
NW	.4	4.6	2.2	.0	.0	.0	.0	7.3	9.1	4.6	7.5	7.7	11.0	9.2	10.0	6.9	7.5	
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	2.2	.8	4.4	4.7	3.0	3.6	2.8	2.7	
TOT OBS	4672	4672	2783	88	1	0	8647	9.4		1425	130	1645	212	1959	197	2306	263	
TOT PCT	9.3	57.5	32.2	1.0	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41-50	51-60	61-70				00	03	09	15
N	.9	.7	.0	.0	.0	.0	.0	1.5	6.9	.4	3.7	1.2	2.2	1.7
NE	.8	.4	.0	.0	.0	.0	.0	1.2	6.7	.6	2.9	1.6	1.5	1.4
E	.9	.7	.0	.0	.0	.0	.0	1.6	7.3	1.1	.0	2.4	2.5	1.9
SE	1.4	1.2	.1	.0	.0	.0	.0	2.6	7.2	2.9	3.5	3.2	4.0	1.4
S	4.0	5.9	.6	.0	.0	.0	.0	10.5	6.7	11.8	12.5	12.8	5.4	6.4
SW	6.1	22.3	3.5	.0	.0	.0	.0	38.2	10.0	37.5	38.3	35.8	41.6	40.6
W	9.3	25.7	3.2	.0	.0	.0	.0	38.2	10.0	37.5	38.3	35.8	41.6	40.6
NW	.4	4.6	.4	.0	.0	.0	.0	7.3	9.1	4.6	7.5	7.7	11.0	9.2
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	2.2	.8	4.4	4.7	3.0
TOT OBS	2651	5316	671	9	0	8647	.1	9.4		1425	130	1645	212	1959
TOT PCT	30.7	61.5	7.8	.1	.0	100.0				100.0	100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1895-1979AREA CODE PUNTA BUJICA
7.64 33.00

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	2.1	5.5	57.0	34.5	.9	0	.0	4.6	100.0	2055
0600	4.4	5.8	58.4	29.4	1.4	.0	.0	9.2	100.0	1867
1200	3.0	7.3	56.5	32.2	.9	.0	.0	9.4	100.0	2186
1800	2.8	6.2	56.1	32.0	.9	.0	.0	9.4	100.0	2509
TOT	262	541	4972	2783	68	1	L	9.4		6647
PCT	3.0	6.3	57.5	32.2	1.0	0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (HEIGHTS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	0	.1	.6	.7	6.6	
NE	.1	.2	.5	.4	5.0	
E	0	.2	.7	.7	6.4	
SE	.1	.3	1.4	.9	5.4	
S	.4	1.0	4.1	5.1	6.7	
SW	.6	2.4	14.2	16.3	6.8	
W	1.1	4.0	18.3	15.4	6.6	
NW	.2	1.0	3.3	2.7	6.4	
VAR	.0	.0	.7	.0	.0	
CALM	.2	.6	1.3	.9	5.9	
TOT OBS	165	598	2693	2617	6073	6.6
TOT PCT	2.7	9.8	44.3	43.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, M, 30/8)
AND OCCURRENCE OF WIND DIRECTION

CEILING	100	150	300	600	1000	2000	3500	5000	6500	8000	WIND DIRECTION	TOTAL
100	150	300	600	1000	2000	3500	5000	6500	8000	ANY HGT	ANY HGT	OBS
0	0	.1	.2	.3	.1	0	0	.0	.0	.6		
1	0	.1	.1	.2	.1	.1	0	.0	.0	.7		
2	0	.0	.1	.3	.4	.1	.1	.0	.0	.7		
3	0	0	.1	.4	.7	.3	.1	.0	.0	1.0		
4	.3	.1	.7	2.2	2.4	.7	.3	.0	0	3.8		
5	1.0	.6	2.3	7.5	6.8	2.4	.7	.0	.0	11.8		
6	1.0	.5	2.1	7.4	7.6	2.9	1.0	.3	.1	15.5		
7	.1	.1	.4	1.3	1.3	.4	.2	0	0	3.4		
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
9	.1	0	.1	.4	.5	.1	.1	.0	.0	1.6		
10	161	89	356	1268	1232	428	153	37	18	2377		6073
TOT	2.7	1.5	5.9	19.9	20.3	7.5	2.5	.7	.3	39.1		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (WIND DIRECTION) AND WIND DIRECTION

CEILING (FEET)	WIND DIRECTION							
	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+
0-2	.3	.4	.5	.5	.5	.5	.5	.5
3-4	.8	1.0	1.1	1.1	1.1	1.1	1.1	1.1
5-7	2.6	3.3	3.5	3.6	3.6	3.6	3.6	3.6
8-10	7.9	9.9	10.5	10.5	10.6	10.6	10.6	10.6
11-21	22.9	29.4	30.7	30.9	31.0	31.0	31.0	31.0
22-33	35.1	47.6	50.2	50.6	50.7	50.8	50.8	50.8
34-47	37.4	52.6	55.8	56.4	56.5	56.7	56.7	56.7
48+	38.4	53.9	57.3	57.8	58.0	58.2	58.2	58.2
TOTAL	2412	3425	3684	3728	3741	3752	3753	3753

TOTAL NUMBER OF OBS: 6176

PCT FREQ WIND DIRECTION: 39.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (HEIGHTS)

0	1	2	3	4	5	6	7	8	9	TOTAL
0	1	2	3	4	5	6	7	8	9	OBS
.4	3.1	9.4	12.0	13.6	11.2	12.6	11.6	23.9	1.9	6595

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1895-1979

OCTOBER

AREA 0011 PUNTA BURICA
7.64 83.0

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.1	.4	.3	.1	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
	TOT %	.1	.0	.0	.0	.2	.5	.4	.1	.0	.0	1.2	
2<5	PCP	.1	.0	.1	.1	.4	1.3	1.2	.3	.0	.0	3.4	
	NO PCP	.0	.0	.0	.1	.3	.6	.6	.1	.0	.0	1.8	
	TOT %	.1	.0	.1	.2	.7	1.9	1.8	.4	.0	.0	5.1	
5<10	PCP	.1	.1	.1	.2	1.0	4.1	3.4	.6	.0	.1	9.8	
	NO PCP	.2	.2	.2	.3	1.8	7.7	6.5	.7	.0	.2	12.4	
	TOT %	.3	.3	.3	.5	2.8	8.8	7.9	1.3	.0	.4	22.3	
10+	PCP	.1	.1	.1	.2	.7	2.2	2.4	.3	.0	.2	6.4	
	NO PCP	.9	.7	1.1	1.8	6.6	20.1	25.8	5.0	.0	2.2	64.3	
	TOT %	1.0	.8	1.2	2.0	7.3	22.3	28.2	5.3	.0	2.4	70.6	
TOT OBS													7472
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
C1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.1	.6	.4	.1	.0	.0	1.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	
	4-10	.1	.0	.0	.1	.4	.9	1.0	.2	.0	.0	2.7	
	11-21	.0	.0	.0	.0	.3	1.1	1.0	.2	.0	.0	2.6	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	TOT %	.1	.0	.1	.2	.7	2.0	2.0	.4	.0	.1	5.6	
5<10	0-3	.1	.1	.0	.1	.1	.2	.2	.0	.0	.4	1.1	
	4-10	.2	.3	.2	.3	1.6	4.0	3.9	.8	.0	.0	11.2	
	11-21	.1	.0	.0	.1	.7	4.4	3.5	.5	.0	.0	9.3	
	22+	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.4	
	TOT %	.3	.3	.3	.5	2.4	6.7	7.6	1.3	.0	.4	22.0	
10+	0-3	.2	.1	.2	.3	.9	1.2	1.7	.4	.0	2.5	7.7	
	4-10	.7	.6	.8	1.5	4.7	13.2	17.2	3.4	.0	.0	42.1	
	11-21	.1	.0	.2	.2	1.6	7.4	8.8	1.5	.0	.0	19.9	
	22+	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.4	
	TOT %	1.0	.6	1.2	2.0	7.2	22.0	27.9	5.4	.0	2.5	70.2	
TOT OBS													7857
TOT PCT													100.0

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1895-1979

OCTOBER

AREA CODE PUNTA BUNICA
7.64 83.04

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000	1.4	2.9	5.9	9.9	19.9	34.9	49.9	64.9	79.9	94.9	109.9	124.9	139.9	154.9	169.9	184.9	199.9
0600	1.4	2.9	5.9	9.9	19.9	34.9	49.9	64.9	79.9	94.9	109.9	124.9	139.9	154.9	169.9	184.9	199.9
1200	1.4	2.9	5.9	9.9	19.9	34.9	49.9	64.9	79.9	94.9	109.9	124.9	139.9	154.9	169.9	184.9	199.9
1800	1.4	2.9	5.9	9.9	19.9	34.9	49.9	64.9	79.9	94.9	109.9	124.9	139.9	154.9	169.9	184.9	199.9
TOT	162	93	364	1231	1266	434	154	36	19	13	3774	2570	6344				
PCT	2.6	1.5	5.7	19.4	20.0	6.8	2.4	.6	.3	.2	59.5	47.5	100.0				

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.2	.3	1.0	4.1	20.4	73.7	1910
0600	.5	.2	1.0	5.1	24.3	68.9	1713
1200	.8	.6	1.4	6.5	22.0	68.6	2026
1800	.4	.5	1.8	6.7	20.2	69.7	2372
TOT	38	34	108	457	1754	5632	6023
PCT	.5	.4	1.3	5.7	21.9	70.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<400 1	<1000 5	<1000 AND 5+	NM <5/8 ANY HGT	TOTAL OBS
0000	2.0	9.6	29.4	31.9	28.6	1545
0600	3.8	9.5	33.4	28.4	37.6	1198
1200	2.6	12.2	35.4	26.9	37.6	1634
1800	2.4	9.4	26.7	30.1	40.2	1802
TOT	162	632	1574	1615	2390	6179
PCT	2.6	10.2	31.9	29.4	38.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/94	.0	.0	.0	.0	.1	.0	.0	.0	12	.2
65/89	.0	.0	.0	.1	.5	1.9	.4	.1	200	3.0
80/84	.0	.0	.0	.0	.5	9.2	22.3	5.0	2674	36.9
95/79	.0	.0	.0	.0	.2	2.7	25.0	29.1	3820	57.0
110/74	.0	.0	.0	.0	.0	.0	.2	2.6	189	2.8
125/69	.0	.0	.0	.0	.0	.1	.1	.0	10	.1
TOTAL	0	0	0	6	84	931	3220	2444	6725	100.0
PCT	.0	.0	.0	.1	1.3	13.9	48.0	36.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
.5	.4	.5	1.2	3.7	11.1	15.1	2.4	.0	1.6
.8	.5	.8	1.0	6.4	21.2	21.2	3.8	.0	1.3
.1	.1	.1	.2	.3	.9	.6	.3	.0	.0
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
1.5	1.1	1.5	2.5	10.7	33.9	38.5	7.2	.0	3.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	88	84	82	79	75	74	66	79.0	2069
0600	87	83	82	78	75	73	66	78.3	1887
1200	88	83	81	78	75	73	66	78.3	2180
1800	93	88	86	80	75	73	68	80.4	2601
TOT	93	86	84	79	75	73	66	79.1	8737

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	90-100	MEAN	TOTAL OBS		
0000	.0	.0	.9	11.3	53.9	33.9	87	1600
0600	.0	.0	.2	7.8	47.4	44.6	88	1436
1200	.0	.1	.3	7.0	48.2	44.4	86	1787
1800	.0	.2	3.2	27.4	43.3	25.5	84	1950
TOT	0	6	66	962	3291	2504	67	6853

PERIOD: (P. 1247) 1951-1979
(OVER-ALL) 1495-1976

OCTOBER

APLA PD11 PUNTA BUDICA
7.6N 83.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

Air-Sea Temp Dif	65 68	69 72	73 76	77 80	81 84	85 88	87 92	101	FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	1	.0	.0
11/13	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
9/10	.0	.0	.0	.0	.1	.1	.1	22	.0	.3
7/8	.0	.0	.0	.1	.1	.2	.1	36	.0	.5
6	.0	.0	.0	.0	.1	.2	.0	34	.0	.5
5	.0	.0	.0	.1	.4	.4	.1	64	.0	.9
4	.0	.0	.0	.2	.4	.5	.0	90	.0	1.3
3	.0	.0	.0	.3	.4	.6	.0	110	.0	1.6
2	.0	.0	.0	.4	2.1	.4	.0	225	.0	3.3
1	.0	.0	.1	1.6	2.4	.3	.0	306	.0	4.5
0	.1	.0	.2	5.4	4.7	.2	.0	728	.0	10.5
-1	.0	.0	.3	7.9	4.1	.1	.0	868	.1	12.4
-2	.0	.0	.9	12.2	3.7	.0	.0	1173	.0	16.4
-3	.0	.0	1.5	10.3	1.7	.0	.0	934	.0	13.4
-4	.0	.0	2.1	9.6	1.1	.0	.0	691	.0	12.4
-5	.0	.0	2.2	6.1	.6	.0	.0	620	.0	8.4
-6	.0	.0	.0	2.1	3.2	.2	.0	362	.0	5.5
-7/-8	.0	.0	.0	2.4	2.2	.1	.0	332	.0	4.8
-9/-10	.0	.2	.7	.3	.0	.0	.0	87	.0	1.3
-11/-13	.0	.1	.3	.0	.0	.0	.0	26	.0	.4
TOTAL	11	21	95	4196	214	6940	12	6926		
PCT	.2	.3	13.0	60.3	22.7	3.2	.3	100.0	.2	99.8

PERIOD: (OVER-ALL) 1953-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.0	.0	.0	.0	.0	.4	.1	.4	.0	.0	.0	.0	.4
1-2	.0	.5	.0	.0	.0	.0	.5	.1	.4	.0	.0	.0	.0	.5
3-4	.1	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.4	.4	.0	.0	.0	1.4	.2	.4	.0	.0	.0	.0	1.0

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.1
1-2	.0	.0	.0	.0	.0	.0	.5	.0	.4	.0	.0	.0	.0	.5
3-4	.0	.3	.0	.0	.0	.0	.3	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.7	.0	.0	.0	1.0	.1	1.1	.3	.0	.0	.0	1.5

PERIOD: (OVER-ALL) 1963-1979

OCTOBER

AREA C-11, SANTA RUPICA
7.64 23.2

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	1.0	.0	.0	.0	.0	1.5	.5	1.0	.0	.0	.0	.0	2.5
1-2	.2	3.2	.7	.0	.0	.0	4.0	.7	10.1	2.4	.0	.0	.0	13.1
3-4	.0	1.6	1.0	.0	.0	.0	2.7	.2	1.6	5.6	.1	.0	.0	11.6
5-6	.0	.7	.9	.0	.0	.0	1.6	.0	1.2	4.7	.1	.0	.0	5.9
7	.0	.0	.2	.1	.0	.0	.3	.0	.2	1.1	.2	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.6	2.6	.1	.0	.0	10.2	1.3	19.1	13.4	.5	.0	.0	34.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
C1	.6	3.4	.2	.0	.0	.0	4.2	.2	.6	.1	.0	.0	.0	1.2	
1-2	.5	11.8	2.6	.0	.0	.0	15.1	.1	1.9	.7	.0	.0	.0	2.7	
3-4	.1	6.9	5.7	.0	.0	.0	12.6	.0	1.5	1.4	.0	.0	.0	2.9	
5-6	.1	1.2	1.9	.0	.0	.0	5.1	.0	.2	.9	.0	.0	.0	1.1	
7	.0	.2	.9	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.0	.1	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	23.6	14.1	.4	.0	.0	39.5	.3	4.0	2.1	.0	.0	.0	8.0	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
C1	5.0	7.9	.5	.2	.0	.0	14.2	085
1-2	1.6	26.8	6.9	.0	.0	.0	37.5	
3-4	.5	16.2	13.0	.1	.0	.0	30.4	
5-6	.1	3.5	9.8	.2	.0	.0	13.6	
7	.0	.6	2.2	.4	.0	.0	1.1	
8-9	.0	.0	.4	.1	.0	.0	.5	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.2	57.0	33.6	1.0	.0	.0	100.0	2166

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	C1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PERCENT
C6	3.6	24.4	20.1	9.3	3.3	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2869	3
6-7	.1	1.6	9.1	10.3	3.7	1.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1689	5
8-9	.0	.7	2.1	2.4	2.0	.9	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	501	5
10-11	.0	.5	.8	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	172	5
12-13	.0	.0	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	5
13-15	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
TOTAL	2.7	14.5	14.6	14.2	9.9	3.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5561	2
PCT	6.4	18.9	3.3	25.3	10.4	3.1	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1951-1976
(SECONDARY) 1965-1979

NUMBER

AREA CODE PLATA SURICA
7.64 43.00

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPKRE HAZE	SPRAY BLUS DUST	NO SIG SEA		
N	0.5	4.7	1.0	.0	.0	.0	.0	15.3	7.5	.5	.0	.0	.0	.0	.0	76.7	
NE	1.2	5.3	4.0	.0	.0	.0	.0	24.3	3.5	1.3	1.1	.0	2.1	.0	.0	67.6	
E	0.6	1.9	5.1	.0	.0	.0	.0	14.6	5.2	1.9	.0	.0	1.9	.0	.0	76.5	
SE	10.0	4.5	1.0	.0	.0	.0	.0	16.1	8.8	.1	.0	.0	.1	.1	.1	74.3	
S	6.5	3.0	3.0	.0	.0	.0	.0	16.1	9.3	2.0	.1	.0	.4	.1	.1	67.2	
SW	11.3	6.1	4.0	.0	.0	.0	.0	21.2	9.4	1.8	.3	.0	.1	.1	.1	76.2	
W	0.5	4.8	2.6	.0	.0	.0	.0	15.9	7.6	1.9	.3	.0	.1	.0	.0	76.1	
NW	0.6	4.0	1.6	.0	.0	.0	.0	15.9	6.0	1.6	.2	.0	.0	.0	.0	76.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	76.1	
CALM	2.9	1.7	.3	.0	.0	.0	.0	4.9	6.7	2.6	.0	.0	.0	.0	.0	76.7	
TOT PCT	9.2	4.9	3.1	.0	.0	.0	.0	16.9	9.1	1.8	.3	.0	.2	.1	.1	72.7	
TOT OBS:	6948																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SPKRE HAZE	SPRAY BLUS DUST	NO SIG SEA		
0000	6.9	4.4	3.0	.0	.0	.0	.0	14.0	7.4	1.3	.2	.0	.2	.1	.1	75.1	
0600	6.2	3.2	3.3	.0	.0	.0	.0	17.5	4.1	1.8	.3	.0	.1	.1	.1	70.3	
1200	11.5	6.4	2.2	.0	.0	.0	.0	20.7	10.6	.9	.1	.0	.0	.1	.1	67.9	
1800	9.3	4.4	2.8	.0	.0	.0	.0	16.2	6.6	.0	.5	.0	.4	.0	.0	76.3	
TOT PCT	9.2	5.0	3.0	.0	.0	.0	.0	17.0	9.1	1.8	.3	.0	.2	.1	.1	72.7	
TOT OBS:	7111																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	PCT PERL SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	1.4	.3	.0	.0	.0		2.2	6.4		1.0	1.8	2.3	1.2	3.5	5.2	1.9	2.9
NE	.3	1.0	.1	.0	.0	.0		1.5	6.3		.9	.0	1.5	3.7	1.7	3.4	1.4	1.3
E	.5	1.4	.2	.0	.0	.0		2.2	6.2		1.6	1.8	3.1	2.5	1.6	3.2	2.2	1.8
SE	.6	2.3	.2	.0	.0	.0		3.2	6.5		2.4	9.7	3.0	3.5	3.5	4.0	3.0	2.5
S	1.4	7.0	2.1	.1	.0	.0		10.6	8.0		10.8	16.6	12.1	13.5	9.2	13.0	10.2	12.0
SW	2.3	14.5	9.4	.2	.0	.0		31.0	9.3		35.5	35.2	28.8	32.9	28.2	28.8	29.8	37.5
W	2.2	24.1	4.9	.3	.0	.0		36.6	9.2		31.8	25.2	32.9	29.4	38.3	26.0	38.4	32.9
NW	.7	3.5	1.5	.0	.0	.0		7.8	8.1		5.3	5.1	8.4	6.9	9.8	6.5	8.0	6.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0							5.0	.0		3.6	4.6	7.5	4.9	5.0	3.0	5.0	2.8
TOT OBS	1061	5059	1933	50	3	0		8126	8.3		1843	117	1524	224	1769	169	2225	254
TOT PCT	13.3	62.3	23.8	.6	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	PCT PERL SPD	HOUR (GMT)			
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	12
N	1.4	.8	.0	.0	.0	.0		2.2	6.4		1.0	2.2	3.7	2.0
NE	.9	.5	.0	.0	.0	.0		1.5	6.3		.9	1.7	1.9	1.4
E	1.4	.8	.0	.0	.0	.0		2.2	6.2		1.6	1.8	3.1	2.2
SE	2.0	1.1	.0	.0	.0	.0		3.2	6.5		2.4	9.7	3.0	3.5
S	4.4	5.0	.0	.0	.0	.0		10.6	8.0		11.2	12.2	2.5	10.4
SW	8.9	20.6	1.6	.0	.0	.0		31.0	9.3		35.5	29.4	28.4	30.6
W	11.1	23.2	2.1	.1	.0	.0		36.6	9.2		38.3	26.0	37.2	37.9
NW	3.3	4.3	.2	.0	.0	.0		7.8	8.1		5.3	5.1	8.4	6.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	5.0							5.0	.0		3.6	4.6	7.5	4.9
TOT OBS	3125	4626	359	16	0	0		8126	8.3		1856	1753	1438	2479
TOT PCT	38.5	56.9	4.4	.2	.0	.0		100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1968-1979

NOVEMBER

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000J	3.6	6.4	64.1	25.3	.7	.0	.0	2.7	100.0	1956
0600J	7.2	8.2	62.8	21.0	.7	.0	.0	7.9	100.0	1753
1200J	4.9	9.2	60.9	24.3	.6	.1	.0	8.3	100.0	1938
1800J	4.8	9.0	61.5	24.2	.5	.1	.0	8.3	100.0	2479
TOT	409	672	5059	1933	50	3	0	8.3		6126
PCT	5.0	8.3	67.3	23.8	.6	.1	.0	100.0		

AREA CODE PUNTA BURICA
7.64 P.S.O.

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.3	.4	.9	.5	5.3	
NE	.2	.1	.6	.4	5.8	
E	.3	.4	.7	.6	5.6	
SE	.2	.5	1.2	1.1	6.1	
S	.6	1.0	4.5	3.9	6.4	
SW	1.5	3.7	12.9	12.5	6.4	
W	2.8	6.3	17.1	11.7	5.9	
NW	1.0	1.7	2.9	2.3	5.6	
VAR	.0	.0	.0	.0	.0	
CALM	1.0	.9	2.2	1.1	5.1	
TOT OBS	440	843	2435	1919	5637	6.0
TOT PCT	7.8	15.0	43.2	34.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM 34/8)
AND OCCURRENCE OF NM 5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM 5/8	TOTAL
	149	299	599	999	1999	3999	4999	6499	7999		ANT HGT	OBS
N	.0	.0	.1	.3	.3	.1	.0	.0	.0	.0	1.2	
NE	.0	.0	.1	.1	.3	.1	.0	.0	.0	.0	.7	
E	.0	.0	.2	.2	.5	.2	.0	.0	.0	.0	1.1	
SE	.1	.0	.2	.6	.5	.2	.1	.0	.0	.0	1.4	
S	.1	.1	.5	2.0	2.0	.9	.2	.0	.0	.0	4.1	
SW	.5	.3	1.9	6.2	5.9	2.3	.5	.1	.1	.1	12.7	
W	.5	.4	1.6	6.0	7.2	2.2	.8	.2	.0	.0	18.7	
NW	.1	.1	.3	.9	1.4	.4	.1	.1	.0	.0	4.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.1	.2	.5	.6	.2	.1	.1	.0	.0	3.2	
TOT OBS	80	57	278	948	1041	379	109	37	11	9	2693	5637
TOT PCT	1.4	1.0	4.9	16.8	18.5	6.7	1.9	.6	.2	.2	47.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	.4	.9	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	2.4	2.7	2.9	2.9	2.9	2.9	2.9	2.9
= OR >2000	7.6	9.2	9.6	9.6	9.7	9.7	9.7	9.7
= OR >1000	21.6	26.9	27.8	28.0	28.1	28.1	28.1	28.1
= OR >600	32.6	42.5	44.4	44.7	44.8	44.9	44.9	44.9
= OR >200	35.1	46.6	49.2	49.6	49.7	49.8	49.9	49.9
= OR >150	35.6	47.3	50.1	50.6	50.7	50.8	50.9	50.9
= OR >0	35.9	48.1	51.2	51.9	52.1	52.2	52.3	52.3
TOTAL	2060	2760	2940	2979	2990	2999	3004	3004

TOTAL NUMBER OF OBS: 5742

PCT FREQ NM 5/8: 47.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS CO	TOTAL OBS
1.5	5.6	11.6	14.6	13.8	10.5	11.7	9.5	20.2	1.0	6076

NOVEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1866-1979APLA 0011 PUNTA MURICA
7.6% 51.0M

TAP

PERCENT FREQ OF WIND DIRECTION OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.	.0	.0	.	.0	.	.1	.	.7	.0	.2	
	NO PCP	.0	.0	.0	.0	.	.	.	.0	.0	.	.1	
	TOT 1	.	.0	.0	.	.	.1	.1	.	.0	.	.2	
1/2<1	PCP	.0	.0	.0	.	.	.1	.	.	.0	.	.2	
	NO PCP	.0	.0	.0	.0	.0	.	.	.0	.0	.	.1	
	TOT 1	.0	.0	.0	.	.	.1	.	.	.0	.	.2	
1<2	PCP	.	.	.	.	.1	.3	.2	.1	.0	.	.7	
	NO PCP	.	.	.0	.	.	.	.	.	.0	.0	.1	
	TOT 1	.	.	.	.1	.1	.4	.2	.1	.0	.	.9	
2<5	PCP	.1	.	.1	.	.4	1.3	.7	.2	.0	.	2.8	
	NO PCP	.	.	.0	.1	.2	.4	.4	.1	.0	.	1.2	
	TOT 1	.1	.1	.1	.1	.6	1.7	1.2	.2	.0	.1	4.0	
5<10	PCP	.1	.1	.1	.2	.8	2.7	2.6	.5	.0	.1	7.2	
	NO PCP	.2	.1	.3	.4	1.5	3.9	3.1	.7	.0	.2	10.7	
	TOT 1	.3	.3	.5	.6	2.2	6.6	5.9	1.2	.0	.3	17.9	
10+	PCP	.1	.1	.1	.2	.5	2.1	2.3	.3	.0	.1	5.8	
	NO PCP	1.6	.8	1.5	2.2	7.7	19.9	27.6	5.9	.0	4.3	71.0	
	TOT 1	1.7	1.0	1.6	2.4	7.5	22.0	29.9	6.2	.0	4.5	76.7	
TOT OBS													6920
TOT PCT													
		2.2	1.4	2.1	3.2	10.4	30.8	17.3	7.8	.0	4.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.	
	4-10	.	.0	.0	.	.	.	.0	.	.0	.	.1	
	11-21	.0	.0	.0	.	.	.1	.1	.0	.0	.	.2	
	22+	.0	.0	.0	.0	.	.	.0	.0	.0	.	.	
	TOT 1	.	.0	.0	.	.	.1	.1	.	.0	.	.3	
1/2<1	0-3	.0	.0	.0	.	.0	.0	.0	.0	.0	.	.1	
	4-10	.0	.0	.0	.0	.	.1	.	.0	.0	.	.1	
	11-21	.0	.0	.0	.0	.0	.1	.	.	.0	.	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	
	TOT 1	.0	.0	.0	.	.	.1	.1	.	.0	.	.3	
1<2	0-3	.0	.0	.0	.0	.	.	.0	.0	.0	.	.	
	4-10	.	.	.	.	.1	.2	.1	.1	.0	.	.5	
	11-21	.	.	.	.	.	.1	.1	.	.0	.	.4	
	22+	.0	.0	.0	.0	.0	.	.	.	.0	.0	.1	
	TOT 1	.	.	.	.1	.1	.4	.2	.1	.0	.	1.0	
2<5	0-3	.	.	.	.0	.	.1	.1	.	.0	.1	.4	
	4-10	.	.	.	.1	.3	1.0	.7	.2	.0	.	2.5	
	11-21	.	.	.	.	.2	.8	.4	.1	.0	.	1.6	
	22+	.0	.0	.	.0	.0	.	.	.	.0	.0	.1	
	TOT 1	.1	.1	.1	.1	.6	1.9	1.3	.3	.0	.1	4.5	
5<10	0-3	.	.	.	.1	.2	.2	.2	.1	.0	.3	1.2	
	4-10	.2	.2	.4	.4	1.3	3.6	3.1	.8	.0	.	10.0	
	11-21	.	.	.	.1	.7	2.6	2.3	.3	.0	.	6.1	
	22+	.0	.0	.0	.0	.	.1	.2	.	.0	.	.3	
	TOT 1	.3	.3	.5	.6	2.2	6.5	5.7	1.2	.0	.3	17.6	
10+	0-3	.4	.2	.5	.5	1.2	1.7	1.9	.6	.0	4.6	11.6	
	4-10	1.1	.7	1.0	1.6	5.2	14.5	20.1	4.5	.0	.	48.8	
	11-21	.2	.1	.1	.2	1.1	5.5	7.2	1.2	.0	.	15.6	
	22+	.0	.0	.0	.0	.	.1	.1	.	.0	.	.2	
	TOT 1	1.7	1.0	1.5	2.3	7.5	21.9	29.5	6.3	.0	4.6	76.3	
TOT OBS													7320
TOT PCT													
		2.1	1.4	2.1	3.1	10.5	30.9	36.9	7.9	.0	5.1	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1868-1979AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	1.2	.7	4.7	15.7	17.8	6.8	1.4	.7	.1	.1	49.2	50.2	1508
06009	2.1	.7	5.7	16.6	14.1	7.2	1.5	.5	.3	.1	50.8	41.2	1129
12015	1.5	1.5	5.8	17.0	16.6	5.6	2.5	.5	.3	.1	53.4	46.6	1507
18021	1.2	1.0	3.6	16.5	17.3	7.1	2.1	.6	.2	.3	49.6	50.2	1738
TOT	86	58	285	967	1065	391	112	35	11	9	3019	2463	5882
PCT	1.5	1.0	4.8	16.4	18.1	6.6	1.9	.6	.2	.2	51.3	45.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	.2	.7	3.6	16.7	78.6	1824
06009	.2	.2	.9	4.8	19.8	74.1	1593
12015	.3	.4	1.3	5.0	18.0	75.0	1803
18021	.5	.4	1.2	4.5	16.1	77.3	2265
TOT	25	22	76	337	1309	5716	7485
PCT	.3	.3	1.0	4.5	17.5	76.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 1	<1000 5	1000+ AND 5+	NM <5/8 OBS
00003	1.2	6.9	24.0	25.7	50.3
06009	2.2	9.0	28.0	28.8	43.2
12015	1.4	8.9	27.8	26.7	45.5
18021	1.2	6.3	24.6	26.8	48.6
TOT	84	438	1488	1542	2712
PCT	1.5	7.6	25.9	26.9	47.2

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.2	.0	.0	.0	15	.2
85/89	.0	.0	.0	.0	.6	1.5	.6	.1	202	3.2
80/84	.0	.0	.0	.0	.9	11.5	25.1	4.5	2813	42.0
75/79	.0	.0	.0	.1	2.1	23.3	27.1	32.3	5244	77.7
70/74	.0	.0	.0	.0	.0	.1	1.9	1.9	125	2.0
TOTAL	0	0	2	3	107	960	3065	2091	6228	100.0
PCT	.0	.0	.0	.0	1.7	15.4	49.2	33.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
.0	.0	.1	.1	.5	.7	1.2	.4	.0	.4
1.1	.5	1.1	1.3	3.8	10.8	17.1	3.7	.0	2.5
.9	.7	.9	1.7	6.1	18.4	18.3	3.4	.0	2.2
.1	.0	.1	.1	.3	.7	.7	.1	.0	.1
2.1	1.3	2.2	3.2	10.5	30.6	37.4	7.6	.0	5.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	88	85	82	79	75	73	66	79.1	1994
06009	90	83	82	79	75	73	68	78.5	1809
12015	88	83	82	78	75	74	68	78.5	1962
18021	92	89	86	81	75	73	68	80.7	2513
TOT	92	86	84	79	75	73	66	79.3	9278

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.5	13.0	54.7	31.9	87	1626		
06009	.0	.0	.8	7.4	51.4	40.4	86	1335		
12015	.0	.0	.8	6.5	48.4	41.9	88	1592		
18021	.0	.3	4.2	29.4	43.8	22.4	83	1833		
TOT	0	5	109	983	3155	2134	86	6388		

NOVEMBER

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1968-1979

TABLE 17

AREA 0011 PUNTA BURICA
7.6N 83.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (w/THOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	M FOG	NO FOG
14/16	+0	+0	+0	+0	+0	+	+	1	+0	+
11/13	+0	+0	+0	+	+1	+	+	10	+0	.2
9/10	+0	+0	+0	+	+	+	+	10	+0	.2
7/8	+0	+0	+0	+	+	+2	+2	34	+	.5
6	+0	+0	+0	+1	+1	+3	+1	40	+0	.6
5	+0	+0	+0	+1	+3	+4	+	55	+0	.9
4	+0	+0	+0	+3	+8	+5	+	105	+0	1.6
3	+0	+0	+0	+3	+10	+6	+	121	+0	1.9
2	+0	+0	+1	+10	+29	+5	+0	283	+0	4.4
1	+0	+0	+	+6	+33	+3	+0	332	+	5.2
0	+0	+0	+3	+58	+59	+2	+0	785	.1	12.1
-1	+0	+0	+5	+61	+43	+1	+0	834	.1	12.9
-2	+0	+0	+9	+129	+38	+	+0	1124	+0	17.5
-3	+0	+	+6	+103	+19	+0	+0	481	+	13.7
-4	+0	+	+2	+81	+4	+0	+0	715	.0	11.1
-5	+0	+0	+23	+60	+3	+0	+0	556	.0	8.7
-6	+0	+	+6	+24	+1	+0	+0	262	+	4.1
-7/-8	+	+	+21	+11	+1	+0	+0	217	.0	3.4
-9/-10	+0	+1	+5	+1	+0	+0	+0	46	+	.7
-11/-13	+0	+	+	+	+0	+0	+0	5	.0	.1
-14/-16	+	+	+0	+0	+0	+0	+0	2	.0	+
-17/-19	+	+0	+0	+0	+0	+0	+0	1	.0	+
TOTAL	3	779	1653	202	26	6419	18	6401		
PCT	+	.2	12.1	54.3	25.8	5.1	+.4	100.0	.3	59.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.6
1-2	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.5
3-4	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.1
5-6	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	+
7	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
8-9	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
10-11	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
12	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
13-16	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
17-19	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
20-22	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
23-25	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
26-32	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
33-40	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
41-46	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
47-50	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
51-60	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
61-70	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
71-86	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
87+	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
TOT PCT	.3	1.3	.2	.0	.0	.0	1.7	.3	.8	.1	.0	.0	.0	1.2

WGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	1.0
1-2	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	1.7
3-4	+	+	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	1.0
5-6	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.1
7	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.1
8-9	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
10-11	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	+
12	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
13-16	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
17-19	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
20-22	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
23-25	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
26-32	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
33-40	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
41-46	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
47-50	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
51-60	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
61-70	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
71-86	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
87+	+0	+0	+0	+0	+0	+0	+	+	+	+	+0	+0	+0	.0
TOT PCT	.2	1.0	.2	.0	.0	.0	1.4	.5	2.9	.4	.0	.0	.0	3.9

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

AREA OF: PUNTA BURICA
7.6N 83.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	Sw							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.4	1.4	.7	.0	.0	.0		2.0	1.0	2.7	.4	.0	.0	.0		5.7
1-2	.4	3.1	.5	.0	.0	.0		4.0	.6	11.5	1.8	.0	.0	.0		13.9
3-4	.2	1.8	.7	.1	.0	.0		2.8	.1	5.2	5.3	.0	.0	.0		10.5
5-6	.0	.8	.7	.0	.0	.0		1.5	.0	1.0	2.8	.0	.0	.0		4.5
7	.0	.3	.0	.0	.0	.0		.3	.0	.2	.7	.0	.0	.0		.8
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.0		.1
10-11	.0	.0	.1	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	1.1	7.3	2.2	.1	.0	.0		10.7	1.6	21.3	12.7	.1	.0	.0		33.7

HGT	W							PCT	Ww							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.5	3.4	.2	.0	.0	.0		4.0	.2	.4	.1	.0	.0	.0		1.1
1-2	.7	12.8	2.7	.0	.0	.0		17.2	.2	3.1	.7	.0	.0	.0		3.9
3-4	.2	5.4	4.6	.1	.0	.0		10.3	.0	1.0	.6	.0	.0	.0		1.7
5-6	.0	.7	2.5	.0	.0	.0		3.5	.0	.2	.3	.0	.0	.0		.8
7	.0	.0	.4	.0	.0	.0		.5	.0	.0	.1	.0	.0	.0		.1
8-9	.0	.3	.1	.1	.0	.0		.3	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	1.4	23.6	12.6	.2	.0	.0		35.8	.4	5.2	1.7	.0	.0	.0		95.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.7	9.7	.5	.0	.0	.0	18.0	015
1-2	2.5	34.1	8.2	.0	.0	.0	82.7	
3-4	.7	14.5	11.2	.0	.0	.0	26.7	
5-6	.0	3.7	6.3	.1	.0	.0	10.2	
7	.0	.6	1.2	.0	.0	.0	1.8	
8-9	.0	.1	.1	.1	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.0	62.6	25.7	.4	.0	.0	100.0	2054

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SEC-MOS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	34-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.6	18.7	19.9	7.6	5.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2822
6-7	.3	3.2	8.7	4.0	3.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1248
8-9	.0	.7	2.4	2.3	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	381
10-11	.0	.4	.8	.7	.4	.7	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	137
12-13	.0	.0	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73
14-15	.0	.0	.7	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50
16-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97
18-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
TOTAL	5.9	26.5	34.9	20.2	12.1	2.0	.7	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5228
PC	9.7	24.2	34.9	20.2	12.1	2.0	.7	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	163.2

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1878-1979

DECEMBER

AREA 0011 PUNTA SURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FWZG PCPN	SNOW FZLN PCPN	OTHER FZLN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG	SEA
N	.8	1.3	.7	.0	.0	.0	.0	2.8	2.6	1.3	.6	.0	.0	.0	.0	92.8
NE	1.9	.4	1.9	.0	.0	.0	.0	3.9	2.6	1.0	.2	.0	.0	.0	.0	92.4
E	.6	1.9	.4	.0	.0	.0	.0	3.1	3.6	1.7	.3	.0	.0	.0	.0	1.7
SE	2.9	1.4	1.6	.0	.0	.0	.0	6.0	4.0	2.4	.3	.0	.0	.0	.0	85.9
S	2.8	2.8	.9	.0	.0	.0	.0	6.3	5.6	2.6	.4	.0	.0	.0	.0	91.3
SW	3.1	3.5	1.1	.0	.0	.0	.0	7.7	4.9	1.6	1.0	.0	.3	.1	.1	84.5
W	2.4	1.9	1.1	.0	.0	.0	.0	5.2	3.2	1.8	.5	.0	.1	.1	.1	85.1
NW	2.1	3.1	.9	.0	.0	.0	.0	5.8	3.7	1.2	.9	.0	.0	.1	.1	88.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.6	.2	.0	.0	.0	.0	2.2	2.9	1.8	.2	.0	.4	.0	.0	92.5
TOT PCT	2.3	2.2	1.0	.0	.0	.0	.0	5.4	3.8	1.7	.6	.0	.1	.1	.1	88.5
TOT OBS:	6944															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FWZG PCPN	SNOW FZLN PCPN	OTHER FZLN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG	SEA
0000	2.1	1.3	.9	.0	.0	.0	.0	4.2	2.9	1.9	.6	.0	.2	.2	.0	90.2
0600	2.9	2.7	1.1	.0	.0	.0	.0	6.4	4.2	4.8	1.0	.0	.1	.1	.1	83.7
1200	3.0	3.0	1.1	.0	.0	.0	.0	6.9	5.2	1.0	.4	.0	.1	.0	.0	86.4
1800	1.7	2.2	.8	.0	.0	.0	.0	4.7	2.8	.0	.6	.0	.1	.0	.0	91.6
TOT PCT	2.4	2.3	1.0	.0	.0	.0	.0	5.5	3.7	1.7	.6	.0	.1	.1	.1	88.3
TOT OBS:	7197															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							40+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	49+					00	03	06	09	12	15	18	21
N	1.2	4.5	.9	.0	.0	.0	.0	6.7	6.9	2.8	3.3	5.3	7.5	10.3	4.5	7.9	7.9		
NE	.7	3.3	.8	.0	.0	.0	.0	4.5	7.2	1.9	2.1	4.5	3.3	6.5	5.3	5.3	2.8		
E	.9	2.2	.4	.0	.0	.0	.0	3.4	6.3	2.0	3.8	4.1	1.9	3.5	5.3	3.8	4.5		
SE	.8	2.6	.3	.0	.0	.0	.0	3.7	6.1	3.7	4.4	4.8	3.2	2.8	4.0	3.3	6.8		
S	1.6	5.5	.6	.0	.0	.0	.0	7.7	6.4	9.2	9.6	9.7	6.5	5.4	7.3	6.7	10.4		
SW	2.8	13.7	2.6	.0	.0	.0	.0	19.2	7.2	25.6	23.8	18.7	21.1	14.9	23.0	17.0	21.0		
W	4.1	24.7	4.7	.0	.0	.0	.0	33.5	7.4	41.0	34.4	31.3	36.9	30.1	30.0	32.0	29.4		
NW	1.4	10.1	1.9	.0	.0	.0	.0	13.5	7.4	8.4	12.9	10.4	10.9	18.1	14.7	14.1	12.2		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	7.9							7.9	.0	5.5	5.8	11.3	8.6	8.5	4.0	7.5	5.0		
TOT OBS	1704	5375	468	8	1	0	8056			1774	120	1478	232	1434	151	7203	262		
TOT PCT	21.2	66.7	12.0	.1	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	09	12
N	3.8	2.8	.1	.0	.0	6.7	6.9	2.8	5.6	9.9	7.9		
NE	2.5	1.9	.1	.0	.0	4.5	7.2	1.9	4.3	6.4	5.3		
E	2.2	1.2	.1	.0	.0	3.4	6.3	2.1	3.8	3.6	3.9		
SE	2.4	1.3	.0	.0	.0	3.7	6.1	3.7	4.6	2.9	3.7		
S	4.8	2.8	.1	.0	.0	7.7	6.4	9.2	9.3	5.5	7.1		
SW	9.9	8.8	.4	.0	.0	19.2	7.2	25.6	19.6	15.5	17.4		
W	15.7	17.0	.7	.0	.0	33.5	7.4	41.0	32.0	32.1	31.7		
NW	6.7	6.6	.2	.0	.0	13.5	7.4	8.4	10.5	17.8	15.7		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	7.9					7.9	.0	5.5	10.9	6.3	7.2		
TOT OBS	4496	3408	150	2	0	8056		1694	1710	1987	2465		
TOT PCT	55.8	42.3	1.9	.0	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1750-1979
(OVER-ALL) 1878-1979

DECEMBER

APLA 0611 PUNTA SURICA
7.6M 83.0M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	5.5	12.2	69.4	12.8	.1	.0	.0	.0	7.0	100.0	1894
0600	10.9	12.3	64.6	12.1	.0	.0	.0	.0	6.3	100.0	1710
1200	8.3	12.6	66.6	12.4	.1	.0	.0	.0	6.6	100.0	1987
1800	7.2	15.3	66.2	11.1	.2	.0	.0	.0	6.5	100.0	2465
TOT	634	1070	5375	968	9	1	0	0	6.6		8056
PCT	7.9	13.3	66.7	12.0	.1	0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	2.1	1.9	1.6	.7		3.8
NE	2.0	1.2	1.1	.4		3.4
E	1.1	1.0	1.1	.3		3.8
SE	.6	1.4	1.3	.6		4.7
S	1.3	1.5	3.4	1.3		5.1
SW	2.8	3.8	8.4	3.6		5.2
W	6.9	8.7	13.4	5.0		4.7
NW	3.1	3.7	5.2	1.9		4.5
VAP	.0	.0	.0	.0		.0
CALA	2.4	2.0	2.4	.7		3.9
TOT OBS	1260	1428	2158	815	5661	4.6
TOT PCT	22.3	25.2	38.1	14.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL OBS	MEAN CLOUD COVER
N	2.1	1.9	1.6	.7		3.8
NE	2.0	1.2	1.1	.4		3.4
E	1.1	1.0	1.1	.3		3.8
SE	.6	1.4	1.3	.6		4.7
S	1.3	1.5	3.4	1.3		5.1
SW	2.8	3.8	8.4	3.6		5.2
W	6.9	8.7	13.4	5.0		4.7
NW	3.1	3.7	5.2	1.9		4.5
VAP	.0	.0	.0	.0		.0
CALA	2.4	2.0	2.4	.7		3.9
TOT OBS	1260	1428	2158	815	5661	4.6
TOT PCT	22.3	25.2	38.1	14.4	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	≥ OR >10	≥ OR >5	≥ OR >2	VSBY (NM)				≥ OR >1/2	≥ OR >1/4	≥ OR >5000	≥ OR >1000
				≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >5000				
≥ OR >6500	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ OR >3500	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
≥ OR >2000	6.5	7.0	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
≥ OR >1000	16.4	18.1	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ OR >500	22.4	25.8	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ OR >100	23.7	27.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ OR >50	23.9	27.9	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ OR >0	24.1	28.2	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
TOTAL	1408	1650	1711	1725	1727	1729	1730	1732			

TOTAL NUMBER OF OBS: 5845

PCT FREQ NM <5/8: 70.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
6.2	14.4	18.8	17.9	12.4	8.5	7.2	6.8	7.0	.3	6118

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1878-1979

DECEMBER

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 6

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.	.	.	.	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.	.	.	.	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.	.	.	.	.0	.0	.1	
1/2<1	PCP	.0	.	.	.0	.0	.	.0	.0	.0	.0	.	
	NO PCP	.0	.0	.0	.0	.	.	.	.	.0	.0	.	
	TOT %	.0	.	.	.0	.0	.	.0	.0	.0	.0	.1	
1<2	PCP	.0	.0	.	.	.	.1	.1	.	.0	.0	.2	
	NO PCP	.0	.0	.0	.	.	.	.0	.0	.0	.0	.	
	TOT %	.0	.0	.	.	.	.1	.1	.	.0	.0	.3	
2<5	PCP	.	.	.	.	.1	.2	.2	.1	.0	.	.9	
	NO PCP	.	.	.	.	.	.1	.2	.	.0	.	.4	
	TOT %	.	.1	.1	.	.2	.3	.4	.1	.0	.1	1.3	
5<10	PCP	.1	.1	.	.1	.2	.5	.7	.4	.0	.1	2.0	
	NO PCP	.3	.1	.1	.3	.7	1.8	2.1	.9	.0	.2	6.5	
	TOT %	.4	.2	.2	.4	.9	2.2	2.8	1.3	.0	.3	8.6	
10+	PCP	.1	.	.	.1	.1	.7	.7	.3	.0	.1	2.1	
	NO PCP	6.1	4.3	3.2	3.2	6.3	15.8	24.6	12.1	.0	7.0	87.5	
	TOT %	6.1	4.3	3.2	3.2	6.4	16.5	25.3	12.4	.0	7.0	89.7	
TOT OBS													6970
TOT PCT		6.5	4.6	3.4	3.7	7.6	19.2	33.7	13.9	.0	7.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.	.	.	.	.0	.0	.1	
	11-21	.0	.0	.0	.0	.	.	.	.	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.	.1	.1	.	.0	.0	.2	
1/2<1	0-3	.0	.0	.	.0	.0	.	.	.	.0	.0	.	
	4-10	.0	.	.0	.0	.	.	.	.	.0	.0	.	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.	.	.0	.0	.	.	.	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.	.	.0	.0	.	
	4-10	.0	.0	.	.	.	.1	.1	.	.0	.0	.1	
	11-21	.0	.0	.0	.	.	.	.	.	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.	.	.	.	.1	.1	.	.0	.0	.4	
2<5	0-3	.	.3	.0	.	.	.	.	.	.0	.1	.2	
	4-10	.	.1	.1	.	.	.1	.1	.	.0	.0	1.0	
	11-21	.0	.	.0	.0	.	.1	.1	.	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.	.1	.1	.	.2	.4	.5	.1	.0	.1	1.5	
5<10	0-3	.1	.	.	.	.2	.4	.4	.1	.0	.3	1.5	
	4-10	.2	.1	.1	.2	.5	1.2	1.6	.8	.0	.0	4.6	
	11-21	.1	.	.	.1	.1	.6	.7	.3	.0	.0	2.1	
	22+	.0	.0	.0	.0	.	.	.0	.0	.0	.0	.	
	TOT %	.4	.2	.2	.4	.9	2.2	2.7	1.2	.0	.3	8.4	
10+	0-3	1.1	.9	.7	.8	1.1	2.3	3.7	1.3	.0	7.3	18.9	
	4-10	4.2	3.1	2.1	2.3	4.8	12.2	22.7	9.4	.0		60.8	
	11-21	.5	.5	.4	.1	.5	1.9	3.9	1.6	.0		9.7	
	22+	.0	.	.0	.0	.	.	.0	.	.0	.0	.1	
	TOT %	6.2	4.3	3.2	3.2	6.4	16.5	30.2	12.3	.0	7.3	89.5	
TOT OBS													7279
TOT PCT		6.6	4.5	3.4	3.7	7.5	19.2	33.6	13.7	.0	7.6	100.0	

PEP100: (PRIMARY) 1950-1979
(OVER-ALL) 1974-1979

DECEMBER

AREA 0011 PUNTA BURICA
7.6N 83.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	.3	.1	2.0	7.5	12.7	4.4	2.2	.5	.1	.1	29.7	70.3	1527
0600Z	.7	.3	2.3	9.2	10.1	4.3	1.6	.5	.6	.4	30.1	69.9	1153
1201Z	.7	.8	1.7	9.6	11.7	4.0	1.5	.4	.2	.0	30.6	69.4	1565
1802Z	.3	.2	1.7	5.7	10.4	4.7	1.3	.9	.2	.1	25.7	74.3	1792
TOT	28	22	114	473	680	264	99	36	16	8	1740	4297	6037
PCT	.5	.4	1.9	7.8	11.3	4.4	1.6	.6	.3	.1	28.8	71.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.1	.0	.4	1.4	7.4	90.7	1793
0600Z	.1	.1	.3	2.1	10.3	87.1	1589
1201Z	.2	.1	.4	1.6	8.8	89.0	1875
1802Z	.3	.1	.4	1.1	7.6	90.6	2282
TOT	13	5	28	112	635	6744	7537
PCT	.2	.1	.4	1.5	8.4	89.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 1	<1000 5	1000+ 1000+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.4	2.5	11.1	19.9	69.1	1473
0600Z	.7	3.6	14.1	17.2	68.7	1112
1201Z	.7	3.3	14.0	17.6	68.4	1521
1802Z	.3	2.5	8.8	17.7	70.5	1741
TOT	30	170	686	1058	4101	5845
PCT	.5	2.9	11.7	18.1	70.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.7	.1	.1	.0	31	.5
85/89	.0	.0	.0	.1	1.7	3.5	.9	.3	393	6.4
80/84	.0	.0	.0	.2	3.5	25.2	27.7	5.4	3760	62.0
75/79	.0	.0	.0	.2	3.5	16.0	10.8	18.8	1848	30.4
70/74	.0	.0	.0	.0	.0	.1	.5	.9	39	.6
TOTAL	0	0	20	34.5	1958	2719	1029	6069	100.0	
PCT	.0	.0	.0	.3	5.7	32.3	44.8	17.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	.1	.1	.0	.0	.0	.1	.1	.0	.0
85/89	.7	.5	.3	.3	.2	.0	2.1	1.0	.0	.5
80/84	4.2	3.2	2.2	2.2	4.0	10.6	21.4	9.1	.0	5.1
75/79	1.5	1.1	.8	1.0	2.9	7.6	10.2	3.5	.0	2.0
70/74	.1	.1	.0	.0	.1	.1	.1	.2	.0	.0
TOTAL	6.5	4.8	3.3	3.5	7.2	19.2	33.9	13.9	.0	7.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	93	86	84	41	77	75	71	80.6	1988
0600Z	90	84	82	80	76	75	66	79.6	1786
1201Z	91	84	83	80	76	75	66	79.5	2030
1802Z	94	90	87	82	78	75	66	82.3	2529
TOT	94	88	85	81	77	74	66	80.7	8273

TABLE 16

PERCENT FREQUENCY OF RELATIVE
HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	8.	100	MEAN	TOTAL OBS
0000Z	.0	.2	3.0	32.4	49.7	14.3	82	1591
0600Z	.0	.0	1.7	24.7	51.8	21.6	84	1269
1201Z	.0	.1	1.9	26.0	47.5	22.5	84	1617
1802Z	.0	.8	14.0	42.7	3.3	11.2	78	1837
TOT	0	20	358	2040	2823	1073	82	6314

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1978-1979

DECEMBER

AREA 0011 PUNTA BUNICA
7.6N 83.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	2	.0	.0
11/13	.0	.0	.0	.0	.1	.1	.0	16	.0	.2
9/10	.0	.0	.0	.0	.1	.1	.1	22	.0	.3
7/8	.0	.0	.0	.0	.2	.3	.2	53	.0	.8
5	.0	.0	.0	.0	.2	.4	.1	45	.0	.7
5	.0	.0	.0	.0	.3	.7	.1	72	.0	1.1
4	.0	.0	.0	.2	1.2	1.2	.3	167	.0	2.6
3	.0	.0	.0	.2	1.2	1.1	.0	165	.0	2.5
2	.0	.0	.0	.7	4.0	1.0	.0	373	.0	5.7
1	.0	.0	.0	.9	4.7	.7	.0	412	.0	6.3
0	.0	.0	.0	4.4	9.2	.4	.0	910	.1	13.9
-1	.0	.0	.1	5.5	9.0	.2	.0	964	.0	14.6
-2	.0	.0	.2	10.6	7.8	.1	.0	1218	.0	18.7
-3	.0	.0	.2	7.4	3.4	.1	.0	719	.0	11.0
-4	.0	.0	.7	7.0	2.0	.0	.0	635	.0	9.7
-5	.0	.0	.6	4.0	.9	.0	.0	358	.0	5.5
-6	.0	.0	.7	2.0	.1	.0	.0	186	.0	2.9
-7/-8	.0	.0	.7	1.2	.2	.0	.0	1.4	.0	2.2
-9/-10	.0	.0	.3	.2	.0	.0	.0	35	.0	.5
-11/-13	.0	.1	.0	.1	.0	.0	.0	12	.0	.2
-14/-16	.0	.0	.0	.0	.0	.0	.0	4	.0	.1
TOTAL	4	18	245	2883	414	40	8	6514	14	6500
PCT	.1	.3	3.8	44.3	44.6	6.4	.6	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N											NE										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.0	.1	.0	.0	.0	1.5	.4	.3	.1	.0	.0	.0	.5	.4	1.4	.1	.0	.0	.0	2.0
1-2	.3	1.9	.3	.0	.0	.0	2.5	.0	.8	.5	.0	.0	.0	1.3	.0	.2	.3	.0	.0	.0	.5
3-4	.1	1.0	.1	.0	.0	.0	1.2	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.2	.3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5
7	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.9	.7	.0	.0	.0	5.4	.6	2.8	1.0	.0	.0	.0	4.4	.4	2.4	1.0	.0	.0	.0	4.4

E											SE										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.5	.0	.0	.0	.0	.9	.7	.4	.0	.0	.0	.0	.6	.4	.4	.0	.0	.0	.0	.6
1-2	.2	.9	.1	.0	.0	.0	1.1	.3	1.4	.3	.0	.0	.0	2.0	.0	.2	.3	.0	.0	.0	2.0
3-4	.0	.4	.1	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
5-6	.0	.1	.1	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.9	.4	.0	.0	.0	2.9	.5	2.0	.4	.0	.0	.0	2.9	.4	1.9	.4	.0	.0	.0	2.9

PERIOD: (OVER-ALL) 1963-1979

DECEMBER
TABLE 16 (CONT)

AREA 0011 PUNTA BURICA
7.4N 83.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.0	.0	.0	.0	1.7	1.0	3.0	.0	.0	.0	.0	4.0
1-2	.5	3.7	.2	.0	.0	.0	4.4	.5	7.4	1.0	.0	.0	.0	8.9
3-4	.0	1.1	.1	.0	.0	.0	1.3	.2	2.7	1.7	.0	.0	.0	4.0
5-6	.0	.1	.3	.0	.0	.0	.4	.0	.2	.5	.0	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.0	.7	.1	.0	.0	7.4	1.7	13.1	2.9	.0	.0	.0	17.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.7	5.0	.2	.0	.0	.0	6.9	.8	1.5	.1	.0	.0	.0	2.5	
1-2	1.1	15.4	2.7	.0	.0	.0	19.6	.4	7.6	.4	.0	.0	.0	9.0	
3-4	.3	5.8	2.4	.0	.0	.0	8.5	.0	2.0	1.3	.0	.0	.0	3.3	
5-6	.0	.4	1.0	.0	.0	.0	1.6	.0	.2	.7	.0	.0	.0	.4	
7	.0	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	27.3	6.5	.0	.0	.0	36.9	1.3	11.4	2.5	.0	.0	.0	15.2	93.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.7	12.6	.5	.0	.0	.0	25.8	
1-2	4.5	39.5	5.4	.0	.0	.0	49.4	
3-4	.8	13.4	5.8	.0	.0	.0	20.0	
5-6	.1	1.4	2.6	.0	.0	.0	4.1	
7	.0	.2	.4	.0	.0	.0	.5	
8-9	.0	.1	.1	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.1	67.2	14.7	.1	.0	.0	100.0	1958

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.2	25.1	18.2	4.9	1.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2949	2
6-7	.3	3.1	8.2	4.1	1.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	872	4
8-9	.1	.9	2.7	2.0	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	335	4
10-11	.0	1.0	1.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	152	4
12-13	.0	.0	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
13	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	6
INDEX	8.0	2.1	2.8	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	705	1
TOTAL	842	1642	1711	659	182	42	13	5	9	2	0	0	0	0	0	0	0	0	0	5107	3
PCT	16.5	32.2	33.5	12.9	3.6	.8	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1857-1979

ANNUAL

AREA 0011 PUNTA BURICA
7.6N 83.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HT	SMOKE HAZE	SPRAY BLWG DUST	NO SIG SEA
N	6.4	3.5	2.0	.0	.0	.0	.0	11.6	6.1	3.0	.5	.0	.0	.0	78.4
NE	6.4	3.4	2.7	.0	.0	.0	.0	12.0	4.4	3.1	.4	.0	.9	.1	79.5
E	5.9	2.6	1.9	.0	.0	.0	.0	10.3	4.3	3.2	.3	.0	1.1	.0	81.0
SE	5.3	2.9	1.8	.0	.0	.0	.0	9.9	5.4	3.1	.2	.0	.6	.1	81.1
S	5.7	3.6	2.1	.0	.0	.0	.0	11.1	6.4	2.8	.2	.0	1.1	.1	78.6
SW	6.1	3.6	2.1	.0	.0	.0	.0	11.4	6.0	3.1	.2	.0	.7	.1	78.4
W	5.3	2.4	1.5	.0	.0	.0	.0	10.0	5.1	3.0	.3	.0	.7	.1	81.2
NW	5.7	3.2	1.6	.0	.0	.0	.0	10.3	5.3	3.5	.2	.0	.5	.1	80.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5	1.7	.9	.0	.0	.0	.0	5.1	3.9	3.4	.2	.0	1.1	.0	86.5
TOT PCT	5.4	3.3	1.8	.0	.0	.0	.0	10.4	5.4	3.0	.3	.0	.8	.1	80.4
TOT Obs: 85761															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG NO PCPN PAST HT	SMOKE HAZE	SPRAY BLWG DUST	NO SIG SEA
0000	4.5	2.8	1.6	.0	.0	.0	.0	8.7	4.2	2.5	.3	.0	.0	.1	83.7
0600	5.3	3.1	2.1	.0	.0	.0	.0	10.3	5.2	7.9	.4	.0	.0	.0	75.8
1200	6.7	4.4	2.0	.0	.0	.0	.0	12.9	7.1	2.7	.3	.0	.7	.0	76.8
1800	5.4	3.1	1.6	.0	.0	.0	.0	9.9	5.0	.5	.4	.0	.9	.0	83.4
TOT PCT	5.5	3.3	1.8	.0	.0	.0	.0	10.4	5.4	3.1	.3	.0	.8	.1	80.2
TOT Obs: 88882															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	1.1	3.1	.8	.0	.0	.0		5.0	6.8	2.2	3.0	4.4	4.7	7.8	4.7	5.6	4.5	
NE	.0	3.2	1.1	.1	.0	.0		5.1	7.3	2.2	2.1	4.3	4.1	7.9	5.9	6.2	4.8	
E	1.0	3.2	.5	.0	.0	.0		4.7	6.6	2.9	3.7	4.4	3.2	5.4	5.9	6.0	4.0	
SE	1.2	3.6	.5	.0	.0	.0		5.5	7.5	5.0	5.5	5.8	5.3	4.6	5.1	6.5	6.9	
S	2.0	7.9	1.5	.0	.0	.0		11.3	6.9	13.9	13.4	11.4	10.8	8.0	11.1	11.4	14.5	
SW	2.5	14.9	4.8	.1	.0	.0		22.4	7.7	29.0	24.0	20.3	23.1	18.5	21.4	20.9	26.3	
W	3.1	19.1	5.7	.1	.0	.0		28.1	7.8	33.0	31.3	28.0	28.8	26.5	25.5	25.7	24.9	
NW	1.3	6.5	1.4	.0	.0	.0		9.2	7.5	6.2	9.0	9.2	9.8	12.2	13.1	9.2	8.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.6							8.6	.0	5.5	8.1	12.3	10.0	9.1	7.5	8.5	5.8	
TOT Obs							99455		7.0		22301	1562	16362	2742	72049	2272	27003	3164
TOT PCT	21.5	61.8	16.3	.4	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	06	12	18	21
N	2.7	2.1	.2	.0	.0			5.0	6.8	2.3	4.4	7.5	5.5		
NE	2.4	2.4	.3	.0	.0			5.1	7.3	2.2	4.2	7.7	6.1		
E	2.8	1.8	.1	.0	.0			4.7	6.6	2.9	4.3	5.4	5.8		
SE	3.4	2.0	.1	.0	.0			5.5	6.5	5.1	5.7	4.6	6.5		
S	6.2	4.9	.3	.0	.0			11.3	6.9	13.9	11.4	8.3	11.7		
SW	9.5	12.1	.8	.0	.0			22.4	7.7	26.7	20.7	18.8	21.5		
W	12.0	15.1	1.0	.0	.0			28.1	7.8	32.9	28.1	26.4	25.6		
NW	4.7	4.4	.2	.0	.0			9.2	7.5	6.4	9.2	12.3	9.1		
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
CALM	8.6							8.6	.0	5.7	12.0	9.0	6.2		
TOT OBS						99455			7.0		23653	21164	24321	30167	
TOT PCT	52.2	44.8	2.9	.1	.0			100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1969-1979
(OVER-ALL) 1857-1979

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AREA CUII PULTA BURICA
7.6% 83.0%

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-5	6-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	5.7	11.6	60.6	17.4	.4	0	0	7.4	100.0	23863
06009	12.0	11.6	60.1	15.7	.4	0	0	6.7	100.0	21104
12015	9.0	12.9	60.7	17.0	.4	0	0	7.0	100.0	24321
18021	8.2	14.6	61.4	15.4	.4	0	0	6.8	100.0	30167
TOT								7.0		99455
PCT	8.6	12.9	61.6	16.3	.4	0	0	7.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL	MEAN
	OBS	OBS	OBS	OBS	OBS	COVER
N	1.7	1.0	1.3	.8	5.0	
NE	2.1	1.0	1.2	.6	4.9	
E	1.3	.9	1.5	.9	5.1	
SE	.9	1.0	2.3	1.3	5.0	
S	1.2	1.6	4.9	3.6	5.7	
SW	1.9	2.8	9.7	7.9	5.7	
W	3.7	4.7	12.1	8.2	5.4	
NW	1.7	1.9	3.5	2.1	5.3	
VAP	.0	.0	.0	.0	.0	
CALM	2.4	2.0	3.0	1.3	4.7	
TOT OBS					69209	
TOT PCT	16.8	17.0	39.5	26.7	100.0	5.4

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) AND OCCURRENCE OF NM (5/8) BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000	9000	ANY	TOTAL
	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS
N	0	0	.1	.3	.4	.2	.1	0	0	0	0	3.6	
NE	0	0	.1	.2	.4	.2	.1	0	0	0	0	4.0	
E	0	0	.1	.4	.5	.2	.1	0	0	0	0	3.3	
SE	0	0	.2	.6	.7	.3	.1	0	0	0	0	3.4	
S	.1	.1	.4	1.5	1.8	.7	.3	.1	0	0	0	6.1	
SW	.3	.2	1.0	3.5	4.0	1.3	.5	.1	.1	.1	.1	11.3	
W	.4	.2	1.0	3.7	4.5	1.6	.6	.2	.1	.1	.1	16.3	
NW	.1	.1	.2	1.0	1.2	.5	.2	.1	0	0	0	5.9	
VAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	0	.1	.6	.8	.3	.1	0	0	0	0	6.5	
TOT OBS												69209	
TOT PCT	1.1	.7	3.3	11.9	16.3	5.3	2.0	.6	.3	.3	.3	60.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM) AND VSBY (NM)

CEILING (FEET)	= OR > 10	= OR > 5	= OR > 2	VSBY (NM)	= OR > 1	= OR > 1/2	= OR > 1/4	= OR > 5000	= OR > 0
= OR > 6500	.5	.6	.6	.6	.6	.6	.6	.6	.6
= OR > 5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR > 3500	2.6	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
= OR > 2000	7.0	8.1	8.3	8.3	8.4	8.4	8.4	8.4	8.4
= OR > 1000	18.5	21.9	22.5	22.6	22.6	22.7	22.7	22.7	22.7
= OR > 600	26.8	33.0	34.1	34.4	34.4	34.5	34.5	34.5	34.5
= OR > 300	28.5	35.7	37.3	37.5	37.6	37.7	37.7	37.7	37.7
= OR > 150	28.8	36.3	37.9	38.2	38.3	38.3	38.4	38.4	38.4
= OR > 0	29.1	36.9	38.8	39.1	39.3	39.4	39.4	39.5	39.5

TOTAL NUMBER OF OBS: 71260

PCT FREQ NM (5/8): 60.5

TABLE 7a

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL
									OBS
6.9	10.8	15.0	14.7	12.6	8.8	9.5	7.7	13.2	75576

PERIOD: (PRIMARY) 1946-1979
(OVER-ALL) 1857-1979

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AREA 0011 PUNTA BUGICA
7.6N 83.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	400 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <1/8 ANY HGT	TOTAL OBS
00003	.8	.5	3.0	11.0	13.8	5.1	2.0	.6	.3	.3	37.4	62.6	19012
06009	1.4	.5	3.0	12.1	14.5	5.1	1.7	.4	.3	.4	39.4	60.6	14394
12015	1.2	.9	3.9	12.5	14.0	5.0	1.9	.5	.2	.2	40.4	59.6	18895
18021	.9	.6	2.9	10.7	13.6	5.3	2.0	.6	.3	.3	37.3	62.7	21402
TOT													73703
PCT	1.0	.6	3.2	11.5	13.9	5.1	1.9	.5	.3	.3	38.5	61.5	100.0

TABLE 11

PERCENT FREQUENCY VS BY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.2	.2	.6	2.1	11.6	85.4	22486
06009	.3	.1	.6	2.6	14.8	81.5	19720
12015	.3	.3	.9	3.2	13.9	81.3	23081
18021	.3	.3	.8	2.9	12.1	83.4	27854
TOT							93141
PCT	.3	.2	.7	2.7	13.0	85.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS BY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.9	4.6	16.5	22.0	61.5	18425
06009	1.5	5.1	18.8	22.3	58.9	13825
12015	1.2	6.2	20.1	21.6	58.3	18293
18021	.9	4.7	16.6	21.9	61.5	20737
TOT						71280
PCT	1.1	5.1	17.9	21.9	60.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.1	.5	.2	.1	.0	.9	.9
85/89	.0	.0	.0	.3	2.5	4.9	1.3	.3	9.3	9.3
80/84	.0	.0	.0	.2	3.6	20.3	28.6	5.8	58.5	58.5
75/79	.0	.0	.0	.0	.1	2.3	14.1	13.8	30.2	30.2
70/74	.0	.0	.0	.0	.0	.0	.1	.9	1.0	1.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									75337	100.0
PCT	.0	.0	.1	.7	6.7	27.6	44.1	20.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.1	.1	.1	.1	.1	.1	.2	.1	.0	.1
85/89	.6	.8	.8	.7	.9	1.3	2.2	.9	.0	1.1
80/84	3.1	3.2	2.9	3.3	6.5	11.8	16.6	5.5	.0	5.7
75/79	1.1	1.0	1.0	1.3	3.7	8.9	9.2	2.5	.0	1.7
70/74	.1	.1	.0	.1	.1	.3	.3	.1	.0	.0
65/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	4.5	5.2	4.8	5.4	11.3	22.4	28.4	9.1	.0	8.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	96	87	84	81	77	75	66	80.9	24399
06009	93	85	83	80	77	75	66	80.0	21957
12015	97	85	83	80	76	74	66	79.8	24956
18021	99	90	88	82	77	75	65	82.3	30903
TOT	99	88	86	81	77	74	65	80.9	102215

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.4	5.0	29.2	47.2	18.3	83	19624		
06009	.0	.2	2.8	21.9	50.5	24.6	84	18270		
12015	.0	.2	3.4	21.1	48.2	27.6	85	19867		
18021	.0	1.9	13.7	36.1	33.4	14.8	79	22477		
TOT	0	557	4990	21198	34868	18625	83	78238		

PERIOD: (PRIMARY) 1969-1979
(OVER-ALL) 1957-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	65 58	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT FOG	W FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.	.0	.0	1	.0	.
17/19	.0	.0	.0	.0	.	.	.	.0	7	.0	.
14/16	.0	.0	.0	.	.	.	.	.	34	.0	.
11/13	.0	.0	.0	.	.1	.1	.	.	162	.	.2
9/10	.0	.0	.0	.	.1	.1	.	.	289	.	.4
7/8	.0	.0	.	.1	.2	.3	.	.	711	.	.9
6	.0	.0	.	.1	.2	.4	.	.	632	.	.8
5	.0	.0	.	.1	.4	.7	.	.	1110	.	1.4
4	.0	.0	.	.2	.8	1.0	.	.	1793	.	2.2
3	.0	.0	.	.2	.9	1.1	.	.	1858	.	2.3
2	.	.	.	.5	2.9	1.5	.	.	3940	.	4.9
1	.	.	.	.8	3.6	1.2	.	.	4500	.	5.6
0	.	.	.1	3.0	7.9	1.2	.	.	9800	.1	12.2
-1	.	.	.1	4.3	7.6	.7	.	.	10204	.1	12.4
-2	.	.	.3	7.7	8.5	.4	.	.	13639	.	16.9
-3	.0	.	.4	7.0	5.0	.2	.	.	10213	.	12.6
-4	.0	.	.8	6.6	3.3	.1	.	.	8742	.	10.8
-5	.0	.	.9	4.6	1.7	.	.	.	5886	.	7.2
-6	.0	.	.9	2.4	.5	.	.	.	3136	.	3.8
-7/-8	.	.	1.3	1.4	.4	.	.	.	2849	.	3.5
-9/-10	.	.1	.5	.4	.1	.	.	.	650	.	1.0
-11/-13	.	.	.2	.1	.	.	.	.	266	.	.3
-14/-16	.	.	.	.	.	.	.	.	38	.	.
-17/-19	.	.	.	.0	.0	.0	.	.	6	.	.
TOTAL									80686		
PCT	.	.2	5.4	40.0	44.1	8.9	1.3	.1	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.	.0	.0	.0	1.3	.3	.8	.	.	.0	.0	1.1
1-2	.3	1.5	.2	.0	.0	.0	2.0	.2	1.6	.3	.0	.0	.0	2.4
3-4	.	.6	.3	.	.0	.0	.9	.	.6	.	.	.0	.0	1.3
5-6	.	.1	.1	.	.0	.0	.2	.	.1	.3	.	.0	.0	.1
7	.0	.	.	.	.0	.0	.	.	.	.	.	.0	.0	.
8-9	.0	.	.	.	.0	.0	.	.	.	.	.	.0	.0	.
10-11	.0	.0	.	.0	.0	.0	.	.	.0	.	.0	.0	.0	.
12	.0	.0	.	.0	.0	.0	.	.	.0	.0	.0	.0	.0	.
13-16	.0	.0	.0	.	.0	.0	.	.	.0	.0	.0	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
TOT PCT	.9	2.8	.8	.	.0	.0	4.5	.6	3.2	1.3	.1	.0	.0	5.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.	.0	.0	.0	1.2	.5	.9	.	.	.0	.0	1.4
1-2	.3	1.7	.2	.0	.0	.0	2.2	.3	2.0	.3	.0	.0	.0	2.6
3-4	.	.5	.3	.	.0	.0	.8	.	.4	.2	.	.0	.0	.8
5-6	.	.1	.1	.	.0	.0	.2	.	.1	.1	.	.0	.0	.2
7	.0	.	.	.	.0	.0	.	.	.	.	.	.0	.0	.
8-9	.0	.	.	.	.0	.0	.	.	.	.	.	.0	.0	.
10-11	.0	.0	.	.0	.0	.0	.	.	.0	.	.0	.0	.0	.
12	.0	.0	.	.0	.0	.0	.	.	.0	.0	.0	.0	.0	.
13-16	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
17-19	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
20-22	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
23-25	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
26-32	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
33-40	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
41-48	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
49-60	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
61-70	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
71-86	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
87+	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0	.0	.
TOT PCT	.7	3.1	.6	.	.0	.0	4.4	.8	3.6	.6	.	.0	.0	5.1

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.8	1.8	.1	.0	.0	.0	2.6	1.1	2.8	.1	.0	.0	.0	4.0
1-2	.6	4.2	.4	.0	.0	.0	5.3	.7	8.5	1.4	.0	.0	.0	10.6
3-4	.1	1.6	.6	.0	.0	.0	2.4	.1	3.3	2.3	.0	.0	.0	5.7
5-6	.0	.4	.4	.0	.0	.0	.8	.0	.4	1.4	.0	.0	.0	2.2
7	.0	.1	.1	.0	.0	.0	.2	.0	.1	.3	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	8.1	1.6	.1	.0	.0	11.3	1.9	15.6	5.5	.1	.0	.0	23.1

HGT	M						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.2	3.9	.1	.0	.0	.0	5.2	.5	1.4	.1	.0	.0	.0	1.9
1-2	1.0	11.1	1.8	.0	.0	.0	13.9	.3	3.8	.6	.0	.0	.0	4.8
3-4	.1	4.3	2.8	.0	.0	.0	7.3	.0	1.3	.4	.0	.0	.0	1.9
5-6	.0	.7	1.4	.0	.0	.0	2.2	.0	.2	.3	.0	.0	.0	.5
7	.0	.1	.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	20.2	6.6	.1	.0	.0	29.2	.9	6.7	1.7	.0	.0	.0	91.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	TOT
<1	14.5	12.9	.4	.0	.0	.0	27.8
1-2	4.4	34.0	5.1	.0	.0	.0	43.4
3-4	.6	12.3	7.5	.1	.0	.0	20.5
5-6	.1	2.3	3.9	.2	.0	.0	6.5
7	.0	.3	.9	.1	.0	.0	1.3
8-9	.0	.1	.1	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	19.6	62.0	18.0	.5	.0	.0	100.0

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.0	20.8	16.5	5.5	1.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33019
6-7	.2	2.8	7.5	5.7	2.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12234
8-9	.1	1.0	2.6	2.3	1.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8969
10-11	.0	.9	1.2	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2246
12-13	.0	.0	.9	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1064
>13	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	481
INDEX	8.9	1.9	2.1	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8708
TOTAL	17.1	27.5	30.7	16.1	5.7	1.7	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62721
PCT	17.1	27.5	30.7	16.1	5.7	1.7	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1857-1979

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TABLE 2G

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCI
56*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/96	.	.	.	.	.	.	.	.	.	.	.	.	9	.
93/94	.1	.	.1	.1	.	.	.	.	.	.	.	.	23	.
91/92	.1	.1	.4	.4	.1	.1	.1	.1	.1	.	.0	.0	105	.1
89/90	.5	1.1	1.5	1.7	1.2	.4	.4	.4	.2	.1	.1	.1	5	.7
87/88	2.2	5.0	7.9	9.8	5.7	2.4	1.6	1.4	1.5	1.0	.5	1.0	3131	3.3
85/86	13.2	19.6	27.1	29.0	22.3	11.7	9.7	10.8	8.7	5.3	3.6	7.1	13204	14.0
83/84	31.9	31.3	29.5	31.3	34.8	31.6	31.2	28.4	27.6	19.6	18.9	26.3	24636	28.5
81/82	35.2	27.8	19.9	18.0	28.1	39.7	41.7	42.8	40.7	39.9	40.4	43.7	32846	34.9
79/80	12.6	9.8	6.9	5.8	6.3	11.8	12.5	13.4	17.0	25.5	26.5	16.7	12936	13.7
77/78	2.9	3.1	3.4	2.1	.8	1.6	1.9	1.8	3.2	6.5	7.7	3.9	3041	3.2
75/76	.7	1.3	1.5	.9	.4	.3	.5	.4	.6	1.4	1.7	.7	603	.9
73/74	.3	.4	.7	.4	.1	.2	.4	.4	.5	.5	.2	.5	335	.4
71/72	.1	.3	.4	.2	.1	.1	.	.	.1	.1	.1	.	109	.1
69/70	.1	.1	.2	.1	.	.	.	.	.	.2	.	.1	64	.1
67/68	.	.1	.1	.1	.	.	.	.	.	.1	.	.	38	.
65/66	.0	.0	.1	.	.0	.0	.0	.	.0	.0	.0	.0	7	.
63/64	.0	.0	.	.0	.0	.0	.0	.	.0	.0	.0	.0	2	.
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	7201	6984	7961	7811	8323	7880	7887	8305	8543	8000	7680	7534	94109	100.0
MEAN	82.4	82.9	83.4	83.8	83.4	82.5	82.3	82.2	82.0	81.3	81.1	81.9	82.4	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1009	1011	1010	1009	1010	1011	1011	1009	1010	7103
FEB	1009	1011	1010	1009	1010	1011	1011	1009	1010	7034
MAR	1009	1010	1010	1009	1010	1011	1011	1009	1010	7944
APR	1009	1010	1010	1009	1010	1011	1011	1009	1010	7960
MAY	1010	1010	1011	1009	1010	1011	1011	1009	1010	8404
JUN	1010	1010	1011	1010	1011	1011	1011	1010	1011	7820
JUL	1010	1011	1011	1009	1011	1011	1011	1010	1011	8065
AUG	1010	1011	1011	1010	1011	1011	1011	1009	1011	8409
SEP	1010	1011	1011	1010	1011	1012	1011	1010	1011	8547
OCT	1010	1011	1011	1009	1011	1011	1011	1009	1011	8185
NOV	1010	1011	1011	1009	1011	1011	1011	1009	1010	7697
DEC	1010	1011	1011	1009	1010	1011	1011	1009	1010	7722
ANN	1010	1011	1011	1009	1011	1011	1011	1009	1010	94890
OBS	21926	963	17986	2020	21735	1796	26083	2381		

PERCENTILES

MO	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	997	1003	1006	1009	1010	1011	1015	1023
FEB	998	1004	1006	1009	1010	1011	1014	1023
MAR	997	1003	1006	1009	1010	1011	1013	1022
APR	997	1004	1007	1009	1010	1011	1013	1023
MAY	998	1004	1007	1009	1010	1012	1013	1024
JUN	1001	1006	1008	1010	1011	1012	1014	1022
JUL	998	1004	1008	1010	1011	1012	1014	1021
AUG	998	1004	1008	1010	1011	1012	1014	1021
SEP	997	1005	1008	1010	1011	1012	1013	1024
OCT	1000	1005	1008	1010	1011	1012	1013	1025
NOV	997	1005	1007	1009	1011	1012	1013	1023
DEC	997	1004	1007	1009	1010	1012	1014	1023

Volume	Area	Name	Approximate Central Location
1	1	Central Baja West	26.6 N 115.7 W
	2	Southwest Baja	22.6 N 112.1 W
	3	Gulf Of California	26.0 N 110.2 W
	4	Mazatlan	22.8 N 107.4 W
	5	Puerto Vallarta	20.0 N 107.8 W
2	6	Manzanillo SE	16.9 N 103.2 W
	7	Acapulco South	14.7 N 99.1 W
	8	Gulf Of Tehuantepec	14.0 N 95.0 W
	9	Guatemala SW Coast	12.3 N 91.4 W
	10	Nicaragua SW Coast	9.8 N 87.0 W
	11	Punta Burica	7.5 N 83.5 W